



GLUCONATE HEALTH LIMITED

(A GOVT. OF WEST BENGAL UNDERTAKING)

Under Health & Family Welfare Department, Government of West Bengal
H.O.&R.O.: 2, Durga Charan Doctor Lane, Kolkata -700 014.

BIDDING DOCUMENTS FOR

Upgradation of approved pharmaceutical formulation facility consisting of Oral Solid Dept., Beta-lactam Capsule Dept., Oral Liquid Dept., Microbiology and Quality Control Lab, Store with HVAC System and Clean room facility, RO and ETP as per approved project design and drawing

Tender Ref. No. NIT/PT- 44/25-26

Date: 10.12.2025

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Under Health & Family Welfare Department, Government of West Bengal
H.O.&R.O.: 2, Durga Charan Doctor Lane, Kolkata -700 014.

SECTION – 1

NOTICE INVITING e-TENDER (NItT)

Tender Ref. No. NIT/PT- 44/25-26

Date: 10.12.2025

SECTION – 1

NOTICE INVITING e-TENDER

From eligible bidders for upgradation of approved pharmaceutical formulation facility consisting of Oral Solid Dept., Beta-lactam Capsule Dept., Oral Liquid Dept., Microbiology and Quality Control Lab, Store with HVAC System and Clean room facility, RO and ETP as per approved project design and drawing

Issued by:
Gluconate Health Limited
(Government of West Bengal Undertaking)
Regd. Off.: 2, Durga Charan Doctor Lane, Kolkata – 700 014

Bid Reference No.: NIT/PT-44/25-26 Dated – 10/12/2025

1. The Ministry of Health and Family Welfare, Government of India, has notified the Revised Schedule M under the Drugs Rules, 1945, on 28thDecember, 2023, which redefines Good Manufacturing Practices (GMP) standards for pharmaceutical manufacturing. The revised guidelines focus on enhancing product quality, patient safety and global competitiveness by aligning Indian GMPs with international norms (e.g., WHO-CMP, PIC/S). The Ministry has granted an extension for the implementation of Revised Schedule M for small and medium-sized pharmaceutical manufacturers with a turnover of Rs. 250 Crores or less, pushing the deadline to 31stDecember, 2025.
2. In terms thereof, Gluconate Health Limited (GHL), a Government of West Bengal Undertaking and a drug manufacturer having manufacturing license under the Drugs and Cosmetics Act, 1940 and carrying out manufacturing of drugs at its factory situated at 1, Health Institute Road, Dum Dum Cantonment, Kolkata – 700 065 is in requirement of aligning its manufacturing techniques to align with WHO and international standards as mandated under the Schedule M of the Drugs Rules.
3. GHL therefore has invited bids through 'e-tendering' from eligible and qualified Indian bidders for Upgradation of approved pharmaceutical formulation facility consisting of Oral Solid Dept., Beta-lactam Capsule Dept., Oral Liquid Dept., Microbiology and Quality Control Lab, Store with HVAC System and Clean room facility, Reverse Osmosis (RO) and Effluent Treatment Plant (ETP) as per approved

project design and drawing at its factory situated at 1, Health Institute Road, Dum Dum Cantonment, Kolkata – 700 065, in order to comply with the Revised Schedule M (Good Manufacturing Practices) ON TURNKEY BASIS in 2-BID SYSTEM as per the Works described item-wise basis in the Bill of Quantities.

4. The scope of the Selected Bidder would be undertaking the Works as described in the Bill of Quantities (BOQ).
5. Pursuant to Good Manufacturing Practices (GMP) for pharmaceutical products as notified in December 2001 through Gazette Notification GSR 894 (E), a factory building was constructed in the year 2007 at GHL's premises, where at present manufacturing operation of tablets and ORS under Oral Solid Dosage (OSD) form and Liquid Dosage are running. The Quality Control Laboratory has also been setup in this premises. Other manufacturing operations were performed also in the existing setup.
6. The existing facility, though operational under the previous Schedule M, requires substantial modifications and infrastructural improvements to meet the new requirements under the revised framework. These include:
 - (a) Upgradation of building and premises with respect to capacity of production in compliance with the Product Quality System (PQS)
 - (b) Upgradation of HVAC systems for better environmental control and particulate and cross contamination management
 - (c) Renovation of production and Quality Control (QC) areas for proper zoning, material movement, and personnel flow.
 - (d) Installation of qualified utility systems (e.g. purified water systems, compressed air, etc.)
 - (e) Modernisation of documentation systems to meet enhanced data integrity and electronic record requirements.
7. The scope of the Selected Bidder would be carrying out the Works as described in the BOQ being the total Works comprising of upgradation of approved pharmaceutical formulation facility consisting of Oral Solid Dept., Beta-lactam Capsule Dept., Oral Liquid Dept., Microbiology and QC Lab, Store with HVAC System and Clean room facility, RO and ETP Plant as per approved project design and drawing. The total Works shall in turn comprise of the following categories of Works detailed in the BOQ as follows:

- (a) Demolition Works, as detailed in the BOQ
- (b) General Construction Works, as detailed in the BOQ
- (c) Plumbing Works, as detailed in the BOQ
- (d) Clean Room Works, as detailed in the BOQ
- (e) Supply, Installation, Testing and Commissioning of Laboratory Furniture, as detailed in the BOQ
- (f) Flooring Works, as detailed in the BOQ
- (g) PU Flooring Works, as detailed in the BOQ
- (h) Supply, Installation, Testing and Commissioning of Equipment, as detailed in the BOQ
- (i) HVAC Works, as detailed in the BOQ
- (j) VRV Works, as detailed in the BOQ
- (k) RO Piping Works, as detailed in the BOQ
- (l) PW Pipeline Works, as detailed in the BOQ
- (m) Compressed Air Pipe & Accessories Fitting Works, as detailed in the BOQ
- (n) Low Pressure Steam Works, as detailed in the BOQ
- (o) Electrical Works, as detailed in the BOQ
- (p) Effluent Treatment Plant Works, as detailed in the BOQ

The other relevant details pertaining to the Works are as follows: -

Total Bid Security (Rs. in Lakhs)	Time of Completion (Months)
62	6 months

8. Intending bidders may download the Bidding Documents (as defined in the ITB) from the websites <https://www.wbtenders.gov.in> and <https://gluconatehealth.co.in> indirectly. Bidding Documents may be downloaded from the website and Technical Bid/Financial Bid (as defined in the ITB) submitted as per the Schedule stated in Sl. 15 of this NIE.
9. The documents submitted by the bidders should be properly indexed and digitally signed. Both Technical Bid and Financial Bid in respect of each bid are to be submitted in technical (statutory & non-statutory folder) and financial folder concurrently and duly digitally signed in the respective folders viz., technical (statutory and non-statutory) folder and financial folder simultaneously in the website <https://wbtenders.gov.in> in the prescribed manner for the same. Technical Bid/Financial Bid must be submitted within the date and time stated in Sl. 15 of the NIE.

10. Appropriate Earnest Money Deposit (EMD)/ Bid Security of an amount as mentioned in Sl. 7 of this NleT is to be deposited electronically through the ICICI Bank online payment gateway, through its net-banking enabled bank account, to the designated bank account as mentioned in the website <https://wbtenders.gov.in>.
11. Financial Bids will be considered only if the Technical Bid (both statutory and non-statutory) of a bidder is found qualified by the Tender Evaluation Committee. The decision of the Tender Evaluation Committee will be final and absolute in this respect. The list of responsive / technically qualified and non-responsive bidders will be uploaded on the website, on the scheduled date and time unless otherwise changed.
12. A bidder shall be a company within the meaning of the Companies Act, 2013 or a partnership firm within the meaning of the Indian Partnership Act, 1932 or a limited liability partnership within the meaning of the Limited Liability Partnership Act, 2008, having an office in Kolkata. No other categories of entities, viz. proprietorship, trusts, co-operatives, etc. would be allowed to participate in the tender and if found, would be summarily rejected. Similarly, joint bids in a consortium would not be entertained and summarily rejected.
13. Eligibility criteria for participation in the tender
 - (i) The Tender Evaluation Committee will determine the eligibility of each bidder. The bidders shall have to meet the minimum eligibility criteria regarding:
 - (a) Technical Capability
 - (b) Financial Capacity
 - (ii) The eligibility of a bidder will be ascertained on the basis of the digitally signed documents in support of the eligibility criteria as mentioned in (a), and (b) above. If any document submitted by a bidder is found at any stage to be manufactured or false or untrue in any material respect, the bid of the bidder will be rejected outright without any prejudice to any right of GHL including to forfeit the EMD/ Bid Security.
 - (iii) The bidders shall have to meet the following eligibility criteria:
Technical Capability
The bidder shall have satisfactorily completed as a contractor: (1) atleast 2 (two) pharma projects on TURNKEY BASIS comprising a majority of the sub-

categories of Works as described in detail in the Scope of Work in the tender in the last 3 (three) financial years, viz. 2022-2023, 2023-2024 and 2024-2025, having a minimum project value of ₹ 25,00,00,000/- (Rupees Twenty Five Crores).

Financial Capacity

The bidder shall have a minimum Average Annual Turnover of ₹ 50,00,00,000/- (Rupees Fifty Crores) in the last 3 (three) financial years (i.e. 2022-2023, 2023-2024 and 2024-2025).

- (iv) Participation in the form of Joint Venture/ Consortium / Special Purpose Vehicle will not be allowed in the present tender.
- (v) The bidder should not be presently barred/ blacklisted by any Department, Authority or body corporate under the Government of India or any State Government.
- (vi) Certificates of group/associate/ subsidiary/ parent/ holding company shall not be considered as a valid certificate of experience of the bidder, unless the same is supported by such documents that the group/ associate/subsidiary/ parent/ holding company and the bidder, have amalgamated/ merged into the same entity.
- (vii) The pharma projects shall not include any project executed for group/ associate/ subsidiary/ parent/ holding company.

The eligibility of a bidder will be ascertained on the basis of the digitally signed documents in support of the minimum criteria as mentioned above. If any document submitted by a bidder is either manufactured or false, in such cases the eligibility of the bidder will be outrightly rejected any stage without any prejudice.

- 14. Bids shall remain valid for a period not less than 365 days after the deadline/last date for Financial Bid submission as specified in Sl. 15 of this NLeT. Bids valid for a shorter period shall be rejected as non-responsive.
- 15. Important Information Date & Time Schedule:

Sl. No.	Particulars	Date & Time
1.	Date of uploading of Bidding Documents	10.12.2025
2.	Documents download start date (online)	10.12.2025
3.	Date of Pre-Bid Meeting at the factory of GHL	23.12.2025
4.	Bid submission start date (Online)	10.12.2025
5.	Bid submission closing date (Online)	08.01.2026

Sl. No.	Particulars	Date & Time
6.	Opening date for Technical Bid (Online)	09.01.2026
7.	Uploading list of responsive/ non-responsive bidders	Upon completion of evaluation of Technical
8.	Financial Bid opening	Upon completion of evaluation of Technical

16. In the event, any of the specified dates as above being declared a holiday by GHL, or on any account, office of GHL being closed, the event of specified date will be extended to the next working day.

17. All standards, technical specifications and codes of practice referred to shall be the latest editions of Indian Standard Codes including all applicable official amendments. The Selected Bidder shall make available at site all relevant Indian Standard Codes of practice as applicable.

18. Wherever Indian Standards do not cover some particular aspects of design/construction, International Standard Codes covering such aspects shall be applicable. In the absence of both Indian Standard Codes and International Standard Codes on such aspects, prevailing Indian practice in construction industry shall be followed.

19. The existing services and utilities may have to be diverted / relocated with proper liaison and approval of GHL. The services and utilities which cannot be diverted but require support, proper support shall be done so that they are not damaged along with their branches. Precautions to be taken while handling the services and utilities are mentioned as under:

- (i) Services and utilities shall not be damaged at any cost. If due to some or the other reason mishap occurs, it should be rectified immediately by the Selected Bidder at its own cost, under instructions of GHL.
- (ii) The Selected Bidder shall take care so that the ongoing activities are not disturbed in any manner whatsoever by the activities of the Selected Bidder during the execution of the Works.

The above instructions are only indicative; other precautions which are specified from time to time by GHL shall be followed by the Selected Bidder at all times.

20. GHL reserves the right to reject any or all applications for participating in bidding process and to accept or reject any or all offer without assigning any reason whatsoever and is not liable for any cost that might have incurred by any bidder at the stage of bidding.
21. Prospective bidders are advised to note carefully the minimum qualification criteria as mentioned in 'Instructions to Bidders' (ITB) and various conditions in General Conditions of Contract and other Bidding Documents as per ITB 6.1 before tendering the bids.
22. Conditional/ incomplete bids will not be accepted under any circumstances.
23. In case of ascertaining authority of intending bidders at any stage of bidding process or execution of work, necessary registered irrevocable Power of Attorney is to be produced as and when asked for by GHL.
24. During scrutiny, if it comes to notice of GHL that credentials or any record is found incorrect/ manufactured/ fabricated, the bidder would not be allowed to participate in the tender and its application will be rejected outright without any prejudice to the rights of GHL.
25. GHL reserves the right to cancel the bidding process due to unavoidable circumstances without assigning any reason, whatsoever, to the bidders and no claim in this respect will be entertained.
26. Before issuance of Notification of Award, GHL or its authorized representative may verify all credentials and other documents, if found necessary. After verification, if it is found that the documents submitted by the lowest bidder is either manufactured or false, in that case, Notification of Award will not be issued in favour of the said bidder under any circumstances and the Bid Security deposited by the bidder will be forfeited by GHL without assigning any reason thereof.
27. Where an individual holds a digital certificate in his own name duly issued to him in respect of a bidder of which he is a director, such individual person shall, while uploading the bid for and on behalf of such bidder, shall upload a copy of Power of Attorney.

28. The Bid Security of the bidder will be forfeited in the following events: -
 - (a) If a bidder withdraws its bid during the period of bid validity, except as provided in ITB 15.2;
 - (b) If a bidder engages in a corrupt, fraudulent, coercive, collusive or restrictive practice as specified in ITB3.1;
 - (c) If a bidder is declared disqualified in terms of ITB 4.3;
 - (d) If a bidder is otherwise in breach of the terms of the Bidding Documents, or
 - (e) In case of a Selected Bidder, if it fails or refuses to furnish the Performance Security within the scheduled time period as per ITB 36.1.



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Under Health & Family Welfare Department, Government of West Bengal

H.O.&R.O.: 2, Durga Charan Doctor Lane, Kolkata -700 014.

SECTION - 2

INSTRUCTIONS TO BIDDERS (“ITB”)

Tender Ref. No. NIT/PT- 44/25-26

Date: 10.12.2025

SECTION – 2

INSTRUCTIONS TO BIDDERS (ITB)

A. General

1. Scope of Bid

1.1 In connection with the Notice Inviting e-Tender for Implementation of the Project for Upgradation of approved pharmaceutical formulation facility consisting of Oral Solid Dept., Beta-lactam Capsule Dept., Oral Liquid Dept., Microbiology and Q.C Lab, Store with HVAC System and Clean room facility, RO and ETP Plant as per approved project design and drawing at its factory situated at 1, Health Institute Road, Dum Dum Cantonment, Kolkata – 700 065, in order to comply with the Revised Schedule M (Good Manufacturing Practices) ON TURNKEY BASIS in 2-BID SYSTEM (hereinafter referred to as “the Employer”) issues the present Bidding Documents for carrying out the Works as per BOQ. The name, identification and number of contracts of the National Competitive Bidding (“NCB”) are given below. The tender is invited online and submission of tender will also be online as detailed in the NIeT.

1.2 In this ITB, the following words and expressions shall, unless repugnant to the context or meaning thereof, have the meaning hereinafter respectively assigned to them:

“**Bid Security/EMD**” shall have the meaning ascribed to it in Clause 16 of this ITB;

“**Bidding Documents**” shall have the meaning ascribed to it in ITB 6.1;

“**Bidding Forms (BDF)**” shall mean the documents specified in Section 4 of the Bidding Documents and shall include any agenda/corrigenda to it;

“**Digital Signature Certificate**” shall have the meaning ascribed to it in ITB 2.2;

“**Financial Bid**” shall have the meaning ascribed to it in ITB 11.3;

“**ITB**” shall mean this Instructions to Bidders document being Section 2 of the Bidding Documents and shall include any

agenda/corrigenda to it;

“Notification of Award” shall have the meaning ascribed to it in ITB 34.1;

“Performance Security” shall have the meaning ascribed to it in ITB 36.1;

“Scheduled Bank” shall mean a bank listed in the 2nd Schedule of the Reserve Bank of India Act, 1934 including any amendments or modifications thereto;

“Selected Bidder” shall mean the successful bidder selected for award of the contract in terms of ITB 34;

“Technical Bid” shall have the meaning ascribed to it in ITB 11.2; and

Throughout the Bidding Documents:

(a) the term “in writing” means communicated in written form and delivered against receipt;

(b) the terms ‘bid’ and ‘tender’ and their derivatives (bidder/tenderer, bid/tender, bidding/tendering, etc.) are synonymous.

(c) except where the context requires otherwise, words indicating the singular also include the plural and words indicating the plural also include the singular; and

(d) “day” means calendar day;

(e) references to any legislation or any provision thereof shall include amendment or re-enactment or consolidation of such legislation or any provision thereof so far as such amendment or re-enactment or consolidation applies or is capable of applying to any transaction entered into hereunder;

(f) references to laws of West Bengal, laws of India or Indian law or regulation having the force of law shall include the laws, acts, ordinances, rules, regulations, bye laws or notifications which have the force of law in the territory of India and as from time to time may be amended, modified, supplemented, extended or re-enacted;

(g) references to a “person” and words denoting a natural person shall be construed as a reference to any individual, firm, company, corporation, society, trust, government, state or agency of a state

or any association or partnership (whether or not having separate legal personality) of two or more of the above and shall include successors and assigns;

(h) headings or sub-headings or table of contents are for convenience of reference only and shall not be used in, and shall not affect, the construction or interpretation of NleT, ITB, Employer's Requirements/ Detailed Project Report, Bidding Forms and General Conditions of Contract;

(i) the words "include" and "including" are to be construed without limitation and shall be deemed to be followed by "without limitation" or "but not limited to" whether or not they are followed by such phrases;

(j) any reference to any period of time shall mean a reference to that according to Indian Standard Time;

(k) any reference to "hour" shall mean a period of 60 (sixty) minutes commencing either on the hour or on the half hour of the clock, which by way of illustration means 5.00 (five), 6.00 (six), 7.00 (seven) and so on being hours on the hour of the clock and 5.30 (five thirty), 6.30 (six thirty), 7.30 (seven thirty) and so on being hours on the half hour of the clock;

(l) any reference to "month" shall mean a reference to a calendar month as per the Gregorian calendar;

(m) any reference to any period commencing "from" a specified day or date and "till" or "until" a specified day or date shall include both such days or dates; provided that if the last day of any period computed under the NleT, ITB, Schedule of Requirements and Bidding Forms is not a working day, then the period shall run until the end of the next working day.

2. General guidance for e-tendering

2.1 Registration of bidder

Any bidder willing to take part in the process of e-tendering will have to be enrolled and registered with the State Government e-procurement system at <https://wbtenders.gov.in>. The bidder is to click on the link for e-tendering as given on the web portal and if required, may contact e-procurement Help Desk at Jalasampad Bhavan, 7th Floor, DVC Cell, Salt Lake, Kolkata, Phone: (033)2334-6098.

Digital Signature Certificate (DSC)

2.2 Each bidder is required to obtain a Class-II or Class-III Digital Signature Certificate (DSC) for submission of tenders, from the approved service provider of the National Informatics Centre (NIC). Details are available on the website <https://wbtenders.gov.in>. The DSC is given as a USB e-token.

Bidders can search and download the NIET and Bidding Documents electronically once it logs on to the website mentioned in Sl. No. 4 of the NIET. This is the only mode of collection of Bidding Documents.

Bidders are also advised to upload relevant documents well in advance under the “My Documents” Tab at <https://wbtenders.gov.in> so that those can later be selected and attached during bid submission. This is likely to ensure hassle free upload of bid documents.

The speed of upload is dependent on the memory available in the system as well as the network bandwidth used. In case there are space constraints, bidders are advised to scan the documents in 75-100 DPI so that optimal clarity is maintained.

The Employer will not be responsible for any delay or difficulties faced during the submission of bids online by the bidders due to connectivity or other issues.

<p>3. Corrupt Practices</p>	<p>3.1 The Employer requires that bidders observe the highest standard of ethics during the bidding process and during execution of such contract. In pursuance of this policy, the Employer:</p> <p class="list-item-l1">(a) defines, for the purposes of this provision, the terms set forth below as follows:</p> <p class="list-item-l2">(i) "corrupt practice"/"bribery" means the offering, giving receiving, or soliciting, directly or indirectly, anything of value to influence improperly the actions of another party or influencing the process procuring goods or services or executing contracts;</p> <p class="list-item-l2">(ii) "fraudulent practice"/"fraud" means any act or omission, including a misrepresentation of information</p>
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or facts, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation or to influence the process procuring goods or services or executing contracts, to the detriment of the Employer or other participants;

(iii) "coercive practice" means impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;

(iv) "collusive practice" means an arrangement between two or more parties designed to achieve an improper purpose, including influencing improperly the actions of another party or designed to result in bids at artificial prices that are not competitive;

(v) "restrictive practice" means forming a cartel or arriving at any understanding or arrangement among bidders with the objective of restricting or manipulating a full and fair competition in the bidding process.

(b) will reject a proposal to award a contract if it determines that the bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or restrictive practices in competing for the contract in question; and

(c) will sanction a party or its successor, including declaring ineligible, either indefinitely or for a stated period of time, to participate in any tender/bidding process of the Employer if it at any time determines that the party has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or restrictive practices in competing for, or in executing, a contract of the Employer.

(d) will cancel or terminate a contract if it determines that a bidder /party has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or restrictive practices in competing for, or in executing, a contract with

the Employer.

- (e) will normally require an agent of the Employer to allow the Employer or any person that the Employer may designate, to inspect or carry out audit of the bidder's accounting records and financial statements in connection with the contract.

4. Eligible Bidders 4.1 The prospective bidders shall have to meet the following eligibility criteria :

- (a) The bidder shall be a company within the meaning of the Companies Act, 2013 or a partnership firm within the meaning of the Indian Partnership Act, 1932 or a limited liability partnership within the meaning of the Limited Liability Partnership Act, 2008, having an office in Kolkata. No other categories of entities, viz. proprietorship, trusts, co-operatives, etc. would be allowed to participate in the tender and if found, would be summarily rejected. Similarly, joint bids in a consortium would not be entertained and summarily rejected.
- (b) Bidder(s) must have satisfactorily completed as a contractor:
 - (1) at least 2 (two) pharma projects comprising a majority of the sub-categories of Works as described in detail in the Scope of Work in the tender in the last 3 (three) financial years, viz. 2022-2023, 2023-2024 and 2024-2025, having a minimum project value of ₹ 25,00,00,000/- (Rupees Twenty Five Crores).
 - (2) the bidder shall have a minimum Average Annual Turnover of ₹ 50,00,00,000/- (Rupees Fifty Crores) in the last 3 (three) financial years (i.e. 2022-2023, 2023-2024 and 2024-2025).

N.B. – (1) Certificates of group/associate/ subsidiary/ parent/ holding company shall not be considered as a valid certificate of experience of the bidder, unless the same is supported by such documents that the group/ associate/subsidiary/ parent/ holding company and the

bidder, have amalgamated/ merged into the same entity.

(2) The pharma projects shall not include any project executed for group/ associate/ subsidiary/ parent/ holding company.

(c) The bidder shall presently not be barred/ blacklisted by any department, authority or body corporate under the Government of India or any State Government.

4.2 A bidder shall have to furnish the following documents:

- (a) GST Registration Certificate/ letter recording GST identification number.
- (b) Tax Audit Report in Form3C D along with Balance Sheet & Profit and Loss A/c. For the financial years2022-2023, 2023-2024 and 2024-2025 i.e. assessment years 2023-2024, 2024-2025 and 2025-2026.
- (c) Statement of Financial Capacity in Form- 8ofSection – 4(Bidding Forms) digitally signed by the bidder.

4.3 The Employer considers a conflict of interest to be a situation in which a party has an interest that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations, and that such conflict of interest may contribute to or constitutes a prohibited practice by the Employer which requires that bidders, suppliers, and contractors under contracts with the Employer, observe the highest standard of ethics and will take appropriate actions if it determines that a conflict of interest has flawed the integrity of any procurement process. Consequently, all bidders found to have a conflict of interest shall be disqualified. A bidder may be considered to be in a conflict of interest with one or more parties in this bidding process if, including but not limited to:

- (a) they have controlling shareholders in common;
- (b) they receive or have received any direct or indirect subsidy from any of them;

- (c) they have the same legal representative for purposes of this bid;
- (d) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another bidder, or influence the decisions of the Employer regarding this bidding process; or
- (e) participation by a bidder in more than one bid will result in the disqualification of all bids in which the party is involved.

4.4 A bidder that is under a declaration of ineligibility and/or blacklisting by the Employer or by any department, authority or body corporate under the Government of India or any State Government, as on the date of the deadline for bid submission as specified herein or thereafter during process of evaluation, shall be disqualified provided such declaration of ineligibility and/or blacklisting has not been challenged by the bidder and such declaration is stayed and/or kept in abeyance and/or set aside by any competent court of law and/or by any other judicial authority.

4.5 Bidders shall provide such evidence of their continued eligibility in a manner and format satisfactory to the Employer, as and when the Employer shall reasonably request.

5. Materials, Equipment and Services	<p>5.1 The materials, equipment and services to be supplied under the contract may have their origin in any country save and except prohibited by any statute or extant policies of the Central Government or the Government of West Bengal.</p> <p>5.2 For purposes of ITB5.1 above, "origin" means the place where the materials and equipment are produced or manufactured and from which the services are provided materials and equipment are</p>
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produced when, through manufacturing, processing, or substantial or major assembling of components, a commercially recognized product results that differs substantially in its basic characteristics or in purpose or utility from its components.

5.3 The bidders are cautioned to read the specifications carefully, as there may be special requirements. The specifications are the minimum requirements for the products. The products offered must meet or exceed requirements mentioned in the technical specifications. The products shall conform to strength, quality and workmanship to the accepted standards of the relevant industry. Modifications of or additions to basic standard products of less size or capability to meet these requirements will not be acceptable.

B. Contents of Bidding Documents

6. Sections of Bidding Documents

6.1 The Bidding Documents consist of Parts I, II, and III, which include all the Sections indicated below, and should be read in conjunction with any addenda/corrigenda issued in accordance with ITB 8.

PART I Bidding Procedures

Section 1 - Notice Inviting e-Tender (NleT)

Section 2 - Instructions to Bidders (ITB)

Section 4- Bidding Forms (BDF)

PART II Requirements

Section 5 –Schedule of Requirements (SRQ)

PART III Conditions of Contract and Contract Forms

Section 3- General Conditions of Contract (GCC)

6.2 The Employer is not responsible for the completeness of the Bidding Documents and their addenda/corrigenda, if they were not obtained directly from the sources stated by the Employer in the NleT.

6.3 The bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Documents. Failure to furnish all

information or documentation required by the Bidding Documents may result in the rejection of the bid.

6.4 All the Sections forming part of the Bidding Documents are to be taken as mutually explanatory of one another. For the purposes of interpretation, the priority of the documents shall be as follows:

- (i) General Conditions of Contract
- (ii) Notice Inviting e-Tender and Instructions to Bidders
- (iii) Schedule of Requirements.

7. Clarification of Bidding Documents, Pre-Bid Meeting

7.1 A prospective bidder requiring any clarification in respect of the Bidding Documents shall contact the Employer in writing by sending an e-mail to the Employer's e-mail address ghlpurchase@rediffmail.com and raise its queries during the pre-bid meeting if provided for in accordance with ITB 7.4 and 7.5. The Employer may upload in the website hosting the Bidding Documents, its responses to bidder's queries. Should the Employer deem it necessary to amend the Bidding Documents, as a result of a request for clarification, it shall do so following the procedure under ITB 8.

7.2 The bidder is advised to visit and examine the site of Work and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into a contract for construction of the Works. The costs of visiting the site shall be at the bidder's own expense. The bidder and any of its personnel or agents will be granted permission by the Employer to enter its premises and lands for the purpose of such visit, but only upon the express condition that the bidder, its personnel and agents will release and indemnify the Employer and its personnel and agents from and against all liability in respect of and will be responsible for death or personal injury, loss of or damage to property and any other loss, damage, costs and expenses incurred as a result of the inspection.

- 7.3 The bidder's designated representative is invited to attend a pre-bid meeting at the factory of the Employer at 1, Health Institute Road, Dum Dum Cantonment, Kolkata – 700 065. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.
- 7.4 The bidder is requested, as far as possible, to submit any questions in writing, to reach the Employer not later than one week before the pre-bid meeting.
- 7.5 Minutes of the pre-bid meeting, including the text of the questions raised, without identifying the source, and the responses given, together with any responses prepared after the meeting, will be uploaded in the e-tender portal i.e. <https://wbtenders.gov.in> within 15 (fifteen) days from the date of pre-bid meeting. Any modification to the Bidding Documents that may become necessary as a result of the pre-bid meeting shall be made by the Employer exclusively through the issue of appropriate addendum/ corrigendum pursuant to ITB 8 and not through the minutes of the pre-bid meeting.
- 7.6 Non-attendance at the pre-bid meeting will not be a cause for disqualification of a bidder.

8. Amendment of Bidding Documents/ Extension of deadlines
 - 8.1 Any addendum/ corrigendum issued shall be part of the Bidding Documents and shall be uploaded in the e-tender portal i.e. <https://wbtenders.gov.in> and also at <https://gluconatehealth.co.in>.
 - 8.2 To give prospective bidders reasonable time in which to take an addendum/ corrigendum into account in preparing their bids or for other causes and consideration, the Employer may, at its

discretion, extend the deadline for the submission of bids.

C. Preparation of Bids

9. Costs of Bidding 9.1 The bidder shall bear all costs associated with the preparation and submission of its bid, and the Employer shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

10. Language of Bid 10.1 The bid, as well as all correspondence and documents relating to the bid exchanged by the bidder and the Employer, shall be written in English only. Supporting documents and printed literature that are part of the bid may be in another language provided they are accompanied by an accurate translation of the relevant passages in English, in which case, for purposes of interpretation of the bid, such translation shall be relied on.

11. Documents comprising the Bid 11.1 Tenders are to be submitted online following the process mentioned in Sl. Nos. 7 of the NleT in two folders, one being the Technical Bid and the other being the Financial Bid before the prescribed date and time. The documents are to be uploaded scanned for viruses and duly digitally signed so that the documents will get encrypted (transformed into non readable formats).

11.2 The Technical Bid shall comprise of the scanned copies of the following documents in one folder:
Statutory cover of Technical Bid containing:
To be filled in FORM folder:

- (i) Letter of Technical Bid in form of Affidavit as given in Form - 1 of Section – 4 (Bidding Forms)
- (ii) Declaration cum Experience profile of the bidder, as per format given in Form – 2 of Section - 4 (Bidding Forms)
- (iii) Power of Attorney in favour of signatory of the bid, as per format given in Form – 4 of Section - 4 (Bidding Forms)
- (iv) Letter of Financial Bid, as per format given in Form – 3 of

Section - 4 (Bidding Forms)

To be filled in NLeT folder:

- (i) Notice Inviting e-Tender (Section - 1) and Instructions to Bidders (Section - 2) (uploaded with digital signature).
- (ii) General Conditions of Contract (Section - 3) (uploaded with digital signature).
- (iii) Schedule of Requirements (Section - 5) (uploaded with digital signature).

Non-statutory (My Documents) cover containing

To be filled in CERTIFICATE folder:

- (i) Copy of Certificate of Incorporation and Memorandum and Articles of Association/ Copy of Partnership Deed and/or registration certificate of the partnership
- (ii) Copy of GST Registration Certificate/ letter recording GST identification number
- (iii) Copy of Trade License/ any other document showing proof of permanent office in Kolkata

To be filled in FINANCIAL INFO folder:

- (i) Copy of Income Tax Returns for the financial years 2022-2023, 2023-2024 and 2024-2025 i.e. assessment years 2023-2024, 2024-2025 and 2025-2026
- (ii) Financial Capacity of Bidder, as per format given in Form – 8 of Section – 4 (Bidding Forms)

To be filled in P/L AND BALANCE SHEET 2022-2023folder:

Profit & Loss Account and Balance Sheet for financial year 2022-2023 along with Tax Audit Return in Form 3CD

To be filled in P/L AND BALANCE SHEET 2023-2024folder:

Profit & Loss Account and Balance Sheet for financial year 2023-2024 along with Tax Audit Form in Form 3CD

To be filled in P/L AND BALANCE SHEET 2024-2025folder:

Profit & Loss Account and Balance Sheet for financial year 2024-2025 along with Tax Audit Form in Form 3CD

To be filled in CREDENTIAL 1 folder:

- (i) Declaration cum Experience profile of the bidder, as per format given in Form – 2 of Section - 4 (Bidding Forms)
- (ii) General Construction Experience of the bidder, as per format

given in Form – 6 of Section - 4 (Bidding Forms)

In case of failure to submit any of the above mentioned documents (for both statutory and non-statutory cover) in respective folders, the Employer shall be entitled to summarily reject the bid.

11.3 The Financial Bid for the Project shall comprise of the Bill of Quantities("BOQ") in the specified format, being the cost for up-gradation of approved pharmaceutical formulation facility including supply, installation, testing, and commissioning of specified laboratory equipment, electrical, mechanical and electromechanical items inclusive of all taxes, cess (including labourcess) and charges taken together, which are sub-categorised in the BOQ as follows:

- (a) Demolition Works, as detailed in the BOQ
- (b) General Construction Works, as detailed in the BOQ
- (c) Plumbing Works, as detailed in the BOQ
- (d) Clean Room Works, as detailed in the BOQ
- (e) Supply, Installation, Testing and Commissioning of Laboratory Furniture, as detailed in the BOQ
- (f) Flooring Works, as detailed in the BOQ
- (g) PU Flooring Works, as detailed in the BOQ
- (h) Supply, Installation, Testing and Commissioning of Equipment, as detailed in the BOQ
- (i) HVAC Works, as detailed in the BOQ
- (j) VRV Works, as detailed in the BOQ
- (k) RO Piping Works, as detailed in the BOQ
- (l) PW Pipeline Works, as detailed in the BOQ
- (m) Compressed Air Pipe and Accessories Fitting Works, as detailed in the BOQ
- (n) Low Pressure Steam Works, as detailed in the BOQ
- (o) Electrical Works, as detailed in the BOQ
- (p) Effluent Treatment Plant Works, as detailed in the BOQ

N.B. – (1) Only downloaded copies of the above documents are to be uploaded, virus scanned and digitally signed by the bidder.

(2) The bidder is required to upload the documents referred to in

the Statutory Cover folder of the Technical Bid documents and the Financial Bid documents.

(3) The evaluation of Financial Bid will only be based on the basis of evaluation of the BOQ.

<p>12. Letters of Technical Bid and Schedules</p>	<p>12.1 The Letters of Technical Bid shall be prepared using the relevant forms furnished in Section - 4 (Bidding Forms). The forms must be completed without any alterations to the text and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.</p>
<p>13. Bid Prices</p>	<p>13.1 The prices quoted by the bidder in the Financial Bid shall confirm to the requirements specified below.</p>
	<p>13.2 The prices to be quoted in the Financial Bid, in accordance with ITB 11.3, shall be the total price of the bid. The bidder is required to separately quote its price online in the BOQ for each sub-category of Works. Upon filling in the price of all the separate sub-categories of Works, the bidder would be required to add up and insert the total price for the Works in the BOQ.</p>
	<p>13.3 The price quoted by the bidder is not subject to any discount or adjustment. The Financial Bid would be rejected, if the bidder is found to have not quoted its price for any one or more category of Works. If there is any discrepancy between the total price of all the sub-categories of the Works quoted by a bidder and the actual total price as quoted by the bidder in the BOQ, the total price of all the sub-categories of the Works quoted by the bidder, would prevail.</p>
	<p>13.4 All duties, taxes, cess (including labourcess) and other levies payable by the Selected Bidder under the Contract, or for any other cause, shall be considered to be included in the prices and the total Bid Price submitted by the bidder. The Bid Price quoted</p>

by the bidder shall be final and shall not be adjusted and/or increased for change in any duty / tax / cess (including labourcess)/ other levies or outgoings and/or any levy of any additional duty or tax or other levies which are not earlier payable. In other words, the Selected Bidder will not be paid anything more than the Bid Price, which is all inclusive.

- 13.5 Any disclosure of any information or documents required to be submitted in the Financial Bid by the bidder, whether inadvertent or not, will disqualify the bidder and render its bid non-responsive and rejected.

14. Currencies of Bid and Payment	14.1 The Financial Bid shall be quoted by the bidder entirely in Indian National Rupees (INR) only. The Employer shall be entitled to reject any bid, if the same has been submitted in any other currency.
15. Period of Validity of Bids	<ul style="list-style-type: none"> 15.1 Bids shall remain valid for a period of 365days after the bid submission deadline date prescribed by the Employer. A bid valid for a shorter period shall be rejected by the Employer as non-responsive. The bidders would not be allowed to modify the prices quoted by it during the bid validity period, even after the bidding process comes to an end. 15.2 In exceptional circumstances, prior to the expiration of the bid validity period, the Employer may request bidders to extend the period of validity of their bids. The request and the responses shall be made in writing. A bidder may refuse the request without forfeiting its Bid Security. A bidder granting the request shall not be required or permitted to modify its bid.
16. Bid Security	16.1 The bidder has, as part of its bid, made payment of an amount of Rs. 62,00,000/- (Rupees Sixty Two Lakhs only) as Earnest Money Deposit (EMD) /Bid Security by way of net banking, in the website www.wbtenders.gov.in .

16.2 No valid bid can be uploaded in the website www.wbtenders.gov.in, unless payment of the Bid Security has been made in the said website www.wbtenders.gov.in. If any bidder who is not specifically exempted from submission of Bid Security by any Government Order/Circular/Notification, the bid of such bidder shall be rejected without undertaking any detailed evaluation of its Technical Bid.

16.3 The EMD/ Bid Security transferred by way of net banking to the designated bank account, details of which are provided in <https://www.wbtenders.gov.in> shall be refunded to the designated bank account of the unsuccessful bidders, upon issue of Notification of Award in favour of the Selected Bidder and submission of Performance Security by such Selected Bidder, whichever is later.

16.4 The EMD/ Bid Security of the bidder will be forfeited/ invoked in the following events: -

- (a) If a bidder withdraws its bid during the period of bid validity, except as provided in ITB 15.2;
- (b) If a bidder engages in a corrupt, fraudulent, coercive, collusive or restrictive practice as specified in ITB 3.1;
- (c) If a bidder is declared disqualified in terms of ITB 4.3;
- (d) If a bidder is otherwise in breach of the terms of the Bidding Documents, or,
- (e) In case of a Selected Bidder, if it fails or refuses to furnish the Performance Security within the scheduled time period as per ITB 36.1.

17. Format and Signing of Bid

17.1 The bid shall be digitally signed by a person or persons duly authorized to sign on behalf of the bidder as stated in Sl. No. 26 of the NIET.

D. Submission and Opening of Bids

18. Submission of Bids 18.1 Bids are to be submitted online as stated in Sl. Nos. 9 and 10 of the NIeT in two folders at a time, one being Technical Proposal / Technical Bid and the other being Financial Bid before the prescribed date and time with DSC. For submitting the Technical Bid, it shall suffice if the documents comprising the Statutory Folder of the Technical Bid are uploaded once. The documents are to be uploaded scanned for viruses and duly signed, digitally so that the documents will get encrypted (transformed into non readable formats).
In addition, the bidders shall submit a physical copy of all documents so uploaded, at the office of the Employer before the bid submission date, to facilitate evaluation of the bids. The physical copies of the Technical Bid documents should be submitted in one envelope and the Bid Security shall be submitted in another envelope.

19. Deadline for Submission of Bids 19.1 Complete bids (including Technical and Financial) must be uploaded in the e-tender website i.e. <https://wbtenders.gov.innot> later than the date as mentioned in Sl. 15 of NIeT.

19.2 The Employer may, at its discretion, extend the deadline for the submission of bids by amending the Bidding Documents in accordance with ITB8, in which case all rights and obligation so the Employer and bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.

20. Bid Opening 20.1 The Technical Bid will be opened online by the authority receiving tenders or by its authorized representative at time, date and the place specified in Sl. 15 of NIeT in the manner specified in the NIeT. The authority receiving tenders or its authorized representative shall decrypt all Technical Bids submitted by the bidders and copy it in any storage device such as a compact

disc, pen drive or hard drive. The manner of online opening of Financial Bid will be same as Technical Bid opening.

20.2 All folders containing the Technical Bids shall be opened one at a time, and the following recorded:

- (a) the name of the bidder;
- (b) the presence of a Bid Security,
- (c) any other details as the Employer may consider appropriate.

Only Technical Bids recorded at bid opening shall be considered for evaluation.

20.3 The Employer shall prepare a record of the opening of Technical Bids. A copy of the record shall be uploaded on the website <https://wbtenders.gov.in> and also at <http://gluconatehealth.co.in>.

20.4 At the end of the evaluation of the Technical Bids, the Employer will upload on the website <https://wbtenders.gov.in> and also at <http://gluconatehealth.co.in>, the name of the bidders who have submitted substantially responsive Technical Bids and who have been determined as being qualified for award in terms of ITB 33.

20.5 The Employer shall conduct the opening of the Financial Bid of all bidders who have submitted substantially responsive Technical Bids and who have been determined as being qualified in terms of ITB 25. All folders containing Financial Bids shall be opened one at a time and the following recorded:

- (a) the name of the bidder;
- (b) the Financial Bid;
- (c) any other details as the Employer may consider appropriate.

Only Financial Bids recorded during the opening of Financial Bids shall be considered for evaluation. No bid shall be rejected at the time of opening of Financial Bids except when the Financial Bid is not in accordance with the Bidding Documents.

E. Evaluation and Comparison of Bids

<p>21. Confidentiality</p>	<p>21.1 Information relating to the examination, evaluation, comparison, and post qualification of bids and recommendation of Award, shall not be disclosed to bidders or any other persons not officially concerned with such process until information on Award of contract is communicated to all bidders.</p>
	<p>21.2 Any attempt by a bidder to influence the Employer in the evaluation of the bids or contract award decisions may result in the rejection of its bid.</p>
<p>22. Clarification of Bids</p>	<p>22.1 To assist in the examination, evaluation and comparison of the Technical and Financial Bids, the Employer may, at its discretion, ask any bidder for a clarification of its bid. Any clarification submitted by a bidder that is not in response to a request by the Employer shall not be considered. The Employer's request for clarification and the response shall be in writing. No change in the substance of the Technical Bid, or, prices in the Financial Bid shall be sought, offered, or permitted.</p>
	<p>22.2 If a bidder does not provide clarifications of its bid by the date and time set in the Employer's request for clarification, its bid may be rejected.</p>
<p>23. Deviations, Reservations, and Omissions</p>	<p>23.1 During the evaluation of bids, the following definitions apply:</p> <ul style="list-style-type: none"> (a) "Deviation" is a departure from the requirements specified in the Bidding Documents; (b) "Reservation" is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Bidding Documents; and (c) "Omission" is the failure to submit part or all of the information or documentation required in the Bidding Documents.

24. Preliminary Examination of Technical Bids 24.1 The Employer shall examine the Technical Bid to confirm that all documents and technical documentation requested in ITB 11.2 have been provided, and to determine the completeness of each document submitted. If any of these documents or information is missing, the bid may be rejected.

25. Responsiveness of Technical Bid 25.1 The Employer's determination of a bid's responsiveness is to be based on the contents of the bid itself, as defined in ITB 11.

25.2 A substantially responsive Technical Bid is one that meets the requirements of the Bidding Documents without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that,

- (a) if accepted, would:
 - (i) affect in any substantial way, the scope, quality, or performance of the contract; or
 - (ii) limit in any substantial way, inconsistent with the Bidding Documents, the rights of the Employer or the Department of Health & Family Welfare, Government of West Bengal, or the bidder's obligations under the proposed contract; or
- (b) If rectified, would unfairly affect the competitive position of other bidders presenting substantially responsive bids.

25.3 The Employer shall examine the technical aspects of the bid submitted to confirm that all requirements have been met without any material deviation or reservation.

25.4 If a bid is not substantially responsive to the requirements of the Bidding Documents and is rejected by the Employer, it may not subsequently be made responsive by correction of the material deviation, reservation, or omission.

26. Nonconformities, Errors, and Omissions 26.1 The Employer may waive any nonconformity in the bid that does not constitute a material deviation, reservation or omission.

26.2 The Employer may request that the bidder submit information or

documentation, within a reasonable period of time, to rectify nonmaterial nonconformities in the Technical Bid related to documentation requirements. Requesting information or documentation on such nonconformities shall not be related to any aspect of the Financial Bid. Failure of the bidder to comply with the request of the tendering authority may result in the rejection of its bid.

<p>27. Qualification of the Bidder</p>	<p>27.1 The Employer shall determine to its satisfaction during the evaluation of Technical Bids whether bidders meet the qualifying criteria as specified in the Bidding Documents.</p> <p>27.2 The determination shall be based upon an examination of the documentary evidence of the bidder's qualifications submitted by the bidder, pursuant to ITB 11.2.</p>
<p>28. Evaluation Criteria</p>	<p>28.1 The bidders who meet the qualifying criteria shall be treated equally and all the technically qualified bidders shall be at par while considering their Financial Bid.</p> <p>The Financial Bid of bidders, who do not meet the qualifying criteria prescribed in ITB 4.1 will not be opened.</p>
<p>29. Preliminary Examination of Financial Bids</p>	<p>29.1 The Employer shall examine the Financial Bids to confirm that all documents and schedules requested in ITB 11.3 have been provided, and to determine the completeness of each document submitted. If any of these documents or information is missing, the bid may be rejected.</p>
<p>30. Evaluation of Financial Bids</p>	<p>30.1 The Employer shall only consider the amount quoted in the BOQ, for evaluation of the Financial Bid of the technically qualified bidder. No other evaluation criteria or methodology shall be permitted.</p>
<p>31. Comparison of Financial Bids</p>	<p>31.1 All technically qualified bidders shall be at par.</p> <p>31.2 The Employer shall compare the Financial Bids of technically qualified bidders to determine the lowest Financial Bid.</p>

31.3 Upon decryption of the price quotations submitted by all the bidders a table shall be prepared containing particulars of Financial Bids submitted.

32. Employer's right to accept any bid, and to reject any or all bids 32.1 The Employer reserves the right to accept or reject any bid and to annul the bidding process and reject all bids at any time prior to Award, without thereby incurring any liability to bidders. In case of annulment, all bids submitted and specifically, bid securities, shall be promptly refunded to the bidders.

F. Award of Contract

33. Award Criteria 33.1 The Employer shall award one single Contract in respect of the entire project to the lowest evaluated bid (L1 bidder) and which is substantially responsive to the Bidding Documents, provided further that the bidder is determined to be qualified to perform the Contract satisfactorily.

33.2 In the event, the Financial Bids of 2 (two) or more bidders are the same ("tie bidders"), the Employer shall discover the L1 rate in terms of Memo No. 2320-F(Y) of the Finance Department, Government of West Bengal, dated 7th June, 2022.

34. Notification of Award 34.1 The bidder whose bid has been accepted will be notified of the award by the Employer prior to expiration of the bid validity period by uploading in the e-tender portal and <https://.gluconatehealth.co.inor> by e-mail confirmed by registered letter. This letter (hereinafter and in the Conditions of Contract called the "**Letter of Acceptance/ Notification of Award**") will state the sum that the Employer will pay the Contractor in consideration of the execution of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "**Contract Price**") in respect of the Works.

34.2 Until a formal contract is prepared and executed in respect of the Works at the site, the Notification of Award shall constitute a notification of commencement of Works, subject only to the furnishing of a Performance Security in accordance with the provisions of ITB 36.1, whereupon the Contract shall come into force.

34.3 The Employer shall hand over the site to the Selected Bidder in respect of the Project, within 15 (fifteen) days from the Letter of Acceptance.

35. Signing of Agreement

35.1 Promptly after issuance of Notification of Award, the Employer shall send the Selected Bidder in respect of the Works, the Form of Agreement to be executed for the Works. Each page of the Agreement should be signed by the Employer's Representative and the Contractor's authorized signatory. If there are any corrections, cuttings, omissions, over writings, insertions, etc. (after issue of Bidding Documents) their number should be clearly mentioned on each page of the Agreement before signing.

35.2 Within 21(twenty one) days of receipt of the Form of Agreement, the Selected Bidder shall sign with date the contract for the Works and return it to the Employer. The Contract shall only come into existence, when the Performance Security is furnished in terms of ITB 36.1.

35.3 No payment for the Works done will be made to the Selected Bidder till the Agreement is signed by the Selected Bidder and Performance Security along with the Manufacturer's Authorization Forms, duly filled in and signed have been submitted by the Selected Bidder.

36. Performance Security

36.1 Within 14 days of the receipt of Notification of Award from the Employer, the Selected Bidder for the Worksshall furnish the Performance Security in accordance with the conditions of contract, using for that purpose the Performance Security Form as provided in the Bidding Documents.

36.2 Failure of the Selected Bidder to submit the above mentioned Performance Security or to sign the Agreement in respect of the Works, shall constitute sufficient grounds for the annulment of the Notification of Award and forfeiture of the Bid Security. In that event, the Employer may award the Contract to the next lowest evaluated bidder (L2 bidder) whose offer is substantially responsive and is determined by the Employer to be qualified to perform the Contract satisfactorily at the price quoted by the L2 bidder or the Employer, may, at its discretion go in for fresh tenders.



GLUCONATE HEALTH LIMITED

(A GOVT. OF WEST BENGAL UNDERTAKING)

Under Health & Family Welfare Department, Government of West Bengal
H.O.&R.O.: 2, Durga Charan Doctor Lane, Kolkata -700 014.

SECTION – 3

GENERAL CONDITIONS OF CONTRACT (GCC)

Tender Ref. No. NIT/PT- 44/25-26

Date: 10.12.2025

1. Definitions

In these Conditions, the following words and expressions shall have the meanings stated. Words indicating persons or parties include Authority's and other legal entities, except where the context requires otherwise.

- 1.1 **“Authority”** means Gluconate Health Limited.
- 1.2 **“Contract”** means that these Conditions, the Schedule of Requirements, the Notice inviting e-Tender and the Instructions to Bidders and the further documents(if any) which are listed in the Contract.
- 1.3 **“Contractor”** shall refer to the Selected Bidder(s).
- 1.4 **“Contract Price”** shall unless indicated otherwise, refer to the total sum being paid by the Authority to the Contractor in consideration of the carrying out the works as per BOQ over which the Contractor has been awarded the Contract and includes adjustments(if any) in accordance with the Contract.
- 1.5 **“Project/ Works”** shall unless otherwise indicated, mean carrying out the Works as per BOQ over which the Contractor has been awarded the Contract and which is being undertaken by the Selected Bidder/ Contractor.

2. “Engineer-in-Charge” and Commencement of Works

The word “Engineer-in-Charge” means the Engineer who will be nominated by GHL for the Works. The word “approved” appearing anywhere in the documents means approved by the Engineer-in-Charge. The Works will have to be taken up within specified time as mentioned in the Notification of Award. Failure to do so will constitute a violation of the contract stipulation as regards to proportionate progress and timely completion of work and the Contractor will thereby make himself liable to pay compensation or other penal action as per stipulation.

The date of commencement of the Works shall be the date of the handing over possession of the Site. The Contractor shall however commence the execution of the Works as soon as is reasonably practicable after the date of Letter of Acceptance/Notification of Award and shall then proceed with the Works with due expedition and without delay. However, under no circumstances, commencement of Works shall be delayed on the guise of any site clearance or relocation of services.

3. Terms and Conditions in extended period

When an extension of time for completion of work is granted for valid reasons over which the Contractor have no control, it will be taken as granted by the Contractor

that the validity of the Contract is extended automatically up to the extended period with all terms and conditions, rates etc. remaining unaltered, i.e., the tender is revalidated up to the extended period.

4. Co-operation with other agencies and damages and safety of road users

All Works are to be carried out in close co-operation with the factory administration and other contractor(s) that may be working in the area of work. The Works should also be carried out with due regard to the convenience of the road users and occupants of the adjacent locality, if any. All arrangements and program of work must be adjusted accordingly. All precautions must be taken to guard against chances of injury or accidents to workers, road users, occupants of the adjacent locality etc. The Contractor must see that all damages to any property which, in the opinion of the Engineer-in-Charge is due to the negligence of the Contractor are promptly rectified by the Contractor at its own cost and expenses and according to the direction and satisfaction of the Engineer-in-Charge.

5. Transportation arrangement

The Contractor will arrange for all means of transport including railways wagons required for carriage and supply of materials and also the materials required for the construction work. The Authority may however, at its own discretion grant necessary certificates, if required, for booking of railways wagons etc. But, in case of failure of the Authority to help the Contractor in this respect, the Contractor will have to arrange at its own initiative so that progress of work is not hampered and no claim whatsoever on this ground will be entertained under any circumstances. If railways facilities are not available, the Contractor will have to depend on transport of materials by road as necessary to complete the work without claiming any extra payment from the Authority in this regard.

6. Contractor's Site Office

The Contractor will have to set up an office adjacent to the Works as may be approved by the Engineer-in-Charge where all directions and notice of any kind whatsoever, which the Engineer-in-Charge or his representative may desire to give to the Contractor in connection with the Contract, may be left or sent by post to such office or delivered to the Contractor's authorised agent or representative. For such intimation to the Contractor's site office, it will be deemed to be sufficient enough to be served upon the Contractor.

7. Incidental and other charges

The cost of all materials, hire charges of tools and plants, labour, municipal charges for water supply, royalty or road materials (*if any*), electricity and other charges of Municipalities or statutory local bodies, ferry charges, toll charges, loading and unloading charges, handling charges, overhead charges etc. will be deemed to have been covered by the price quoted by the Contractor inclusive of all taxes, all other charges for the execution of the specified works, including supply of materials and related carriage, complete or finished in all respect up to the entire satisfaction of the Engineer-in Charge of the Works. No extra claim in this regard beyond the specified price quoted as per the Bill of Quantities in this respect will be entertained.

8. Performance Security

The Contractor shall have to deposit a Performance Security in the form of Bank Guarantee of 10% of the Contract Price within 14 days of the Notification of Award in accordance with the conditions of the contract.

The Performance Security should be submitted in the form of a Bank Guarantee from a scheduled bank. No Performance Security will be accepted from the Contractor, if the location of the branch of the bank is not situated within the municipal limits of any of the cities of Kolkata or Bidhannagar. The Performance Security shall have a validity of 12 months and upon expiry of 11 months from the date of issue of Performance Security but prior to expiry of the 12 months period, the Contractor shall revalidate the Performance Security for another 12 months period. The Contractor shall continue to keep its Performance Security duly validated and enforceable for such successive periods of 12 months or for such shorter period as may be directed by the Authority, until the Contractor has executed and completed the Works and remedied any defects, till the end of the Defects Liability Period. If the terms of the Performance Security specify its expiry date, the Contractor shall extend the validity of the Performance Security until the Works have been completed and all defects have been remedied.

The Authority shall not make a claim under the Performance Security, except for amounts to which the Authority is entitled under the Contract in the event of:

- a. failure by the Contractor to extend the validity of the Performance Security as described in the preceding paragraph, in which event the Authority may claim the full amount of the Performance Security,
- b. failure by the Contractor to pay the Authority an amount due, as either agreed by the Contractor or determined under Clause 57 [Dispute Resolution

Mechanism], within 42 days after the signing of the Agreement or determination,

- c. failure by the Contractor to remedy a default within such reasonable period as may be specified by the Authority in its notice after receiving the Authority's notice requiring the default to be remedied, or
- d. circumstances which entitle the Authority to termination under Clauses 60 [Termination for default] and 61 [Termination for insolvency], irrespective of whether notice of termination has been given.

The Authority shall return the Performance Security to the Contractor at the earliest, upon completion of the Defects Liability Period.

9. Authorised Representative of Contractor

The Contractor should not assign the Contract or sublet any portion of the Works. The Contractor, may however, appoint and authorise representatives in respect of one or more of the following purposes only:

- (i) General day to day management of work.
- (ii) To attend measurements when taken by the officers of the Corporation and sign the records of such measurements which will be taken as accepted by the Contractor.

The selection of the authorised representatives will be subject to the prior approval of the Engineer-in-Charge concerned and the Contractor will in writing seek such approval of the Engineer-in-Charge giving therein the name of work, Tender No., the Name, Address and the attested specimen signature of the representative, it wants to appoint and the specific purposes as specified here-in-above, which the representative will be authorised for. Even after first approval, the Engineer-in-Charge may issue at any subsequent date, revised directions about such authorised representatives and the Contractor will be bound to abide by such directions. The Engineer-in-Charge will not be bound to assign any reason for his revised directions. Any notice, correspondence etc. issued to the authorised representative or left at his address, will be deemed to have been issued to the Contractor.

10. Power of Attorney

Provision of acting through Power of Attorney, if any, during execution of the Works, shall be subject to the approval of the Authority. Otherwise, the Authority will not be bound to take cognizance of such of Attorney.

11. Extension of time

Although time is the essence of this Contract, for cogent reasons over which the Contractor will have no control and which will retard the progress, extension of time for the period lost may be granted, under exceptional circumstances, on receipt of application from the Contractor before the time of completion of Contract. No claim whatsoever for idle labour, additional establishment, enhanced cost of materials and labour and hire charges of tools and plants etc. will be entertained under any circumstances. Applications for such extension of time should be submitted by the Contractor well in advance of the expiry of scheduled time of completion of the Works.

12. Contractor's Godown

The Contractor must provide suitable godowns for cement and other materials at the sites. The cement godown should be sufficient in capacity and it must be water-tight with either an elevated floor with proper ventilation arrangement underneath the floor or if solid raised flooring is made, cement is to be stored on bamboo or timber dunnage to the satisfaction of the Engineer-in-Charge. No separate payment will be made for these godowns or for the store yard. Any cement, which is found at the time of use to have been damaged, shall be rejected and must immediately be removed from the site by the Contractor as per directions of the Engineer-in-Charge.

13. Sundry Materials

The Contractor must erect temporary pillars, master pillars etc. as may be required in suitable places as directed by the Engineer-in-Charge at its own cost before starting and during the work by which the departmental staff will check levels layout of different works and fix up alignment and the Contractor will have to maintain and protect the same till completion of the work. All machineries and equipment like Level Machine, The odolite etc. and other sundry material like pegs, strings, nails, flakes instruments etc. and also skilled labour required for setting out the levels, for laying out difference structures and alignment will also have to be supplied by the Contractor at its own cost as per direction of the Engineer-in-Charge without any extra claim.

14. Approval of Sample

Samples of all materials to be supplied by the Contractor and to be used in the work will have to be approved by the Engineer-in-Charge and checking the quality of such

materials will have to be done if deems necessary by the Engineer-in-Charge prior to utilization in the Works.

15. Water and Energy

The Contractor will have to arrange at his own cost, required energy for operation of equipment and machineries, for operating pump set, illuminating work site, office, etc. that may be necessary in difference stages of execution of work. No facility of any sort will be provided for utilisation of the departmental sources of energy existing at the site of work. Arrangement for obtaining water for the work should also be made by the Contractor at his own cost. All cost for getting energy and / or for any purpose whatsoever will have to be borne by the contractor for which no claim will be entertained.

All materials, tools and plants and all labour (skilled and unskilled) including their housing, water supply, sanitation, light, procurement of food for Contractor's staff & crews, medical aids etc. are to be arranged for by the Contractor at its own cost. The cost for transportation of labour, materials and all other incidental items as required for work shall also have to be borne by the Contractor without any extra claim.

16. Drawings

The Works should be carried out in conformity with the approved Drawings. The Contractor will have to carry out all the works according to the Drawings included in the Detailed Project Report and Detailed Working Drawings, if any supplied and approved from time-to-time.

17. Serviceable Materials

The responsibility for stacking the serviceable materials (as per decision of the Engineer-in- Charge) obtained during dismantling of existing structures and handing over the same to the Engineer-in-Charge lies with the Contractor and nothing will be paid on this account. In case of any loss or damage of serviceable materials prior to handing over the same, full value will be recovered from the Contractor's bills at rates as will be assessed by the Engineer-in-Charge.

18. Unserviceable Materials

The Contractor will have to remove all unserviceable materials, obtained during execution at a place as will be directed. The Contractor should dress and clear the work site after completion of work as per direction of the Engineer-in-Charge. No extra payment will be made on this account.

19. Contractor's risk for loss or damage

All risk on account of railway or road carriage or carriage by sea or air including loss or damage of vehicles, ships, barges, materials or labour, if any, will have to be borne by the Contractor without any extra claim from the Authority.

20. Idle labour and additional cost

Whatever may be the reason, no claim on idle labour, enhancement of labour rate, additional establishment cost, cost of toll and hire and labour charges of tools and plants, railway freight etc. will be entertained under any circumstances.

21. Charges and fees payable by Contractor

- (i) The Contractor will have to pay all fees required to be given or paid by any statute or any regulation or bye-law of any local or other statutory authority which may be applicable to the Works.
- (ii) The Contractor will, if asked for, save and indemnify the Authority from and against all claims, demands, suit and proceedings for or on account of infringement of any patent, rights, design, trade mark or name of other protected right in respect of any constructional plant, machine, work, materials, thing or process used for or in connection with the Works or temporary works or any of them.

22. Tools and Plants

All Tools and Plants required for the Works will have to be supplied by the Contractor at its own cost. All cost of fuel and stores for proper running of the Tools and Plants shall also be borne by the Contractor.

23. Compliance with different Acts

The Contractor shall comply with the provisions of the Apprentices Act, 1961, Minimum Wages Act, 1948, Contract Labour (Regulation and Abolition) Act, 1970 and the Rules and orders issued hereunder from time to time. If it fails to do so, the Engineer-in-Charge may at his discretions, take necessary measures on the Contractor.

The Contractor shall also make itself wholly responsible for any pecuniary liabilities arising out on account of any violation of the provision of the said Act(s). The Contractor will be required to obtain valid Registration Certificate & Labour License from respective Regional Labour Offices where construction work by them are

proposed to be carried out under Section 7 of Building & Other Construction Workers' (Regulation of Employment & Conditions of Service) Act, 1996 and Section 12 of Contract Labour (Regulation & Abolition) Act, 1970. The Contractor will be required to observe the following conditions strictly:

- (i) Employees' Provident Fund and Miscellaneous Provisions Act, 1952 and Employees State Insurance Act, 1948 should be strictly adhered to wherever such Acts become applicable.
- (ii) Minimum wages to the workers shall be paid according to the rates notified and/ or revised by the Government of West Bengal from time-to-time under the Minimum Wages Act, 1948 in respect of scheduled employments, within the specified time as per law.
- (iii) Payment of bonus, wherever applicable, has to be made.
- (iv) Adequate safety and welfare measures must be provided as per the provisions of the Building and Other Construction Workers (Regulation of Employment & Conditions of Service) Act, 1996 read with West Bengal Building and Other Construction Workers (Regulation of Employment and Conditions of Service) Rules, 2004.
- (v) All liabilities arising out of engagement of workers are to be duly met before submission of bills for payment.

If there is any failure in compliance of the applicable labour laws during execution of the Works, it will render the Contractor ineligible for carrying out the Works and the Contract may be terminated in accordance with these Conditions.

The Contractor shall be bound to furnish the Engineer-in-Charge all the returns, particulars or date as are called for from time-to-time in connection with implementation of the provisions of the above Acts and Rules and timely submission of the same, failing which the Contractor will be liable for breach of contract and the Engineer-in-Charge may at his discretion take necessary measures on the Contractor.

24. Safety, Security and Protection of the Environment

The Contractor shall, throughout the execution and completion of the Works and the remedying of any defects therein:

- (i) have full regard for the safety of all persons and the Works.
- (ii) provide and maintain at its own cost all lights, guards, fencing, warning signs and watching, when and where necessary or required by the Engineer-in-Charge for the protection of the Works or for the safety and convenience of the public or others;

- (iii) take all reasonable steps to protect the environment on and off the site(s) and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his/ its methods of operation;
- (iv) ensure that all lights provided by the Contractor shall be screened so as not to interfere with any signal light of the railways or with any traffic or signal lights of any local or other authority.

25. Commencement of work

The work must be taken up within the date as stipulated in the Notification of Award and completed in all respects within the period specified in Notice Inviting e-Tender.

26. Programme of work

Before actual commencement of work, the Contractor shall submit a programme of construction of work with methodology clearly showing the required materials, men and equipment. The Contractor will submit a programme of construction in the pattern of Bar Chart or Critical Path Method and a time table divided into four equal periods of progress of work to complete the work within the specific period for approval of the Engineer-in-Charge who reserves the right to make addition, alterations and substitutions to such programme in consultation with the Contractor and such approved programme shall be adhered to by the Contractor unless the same is subsequently found impracticable in part or full in the opinion of the Engineer-in-Charge and is modified by him/her. The Contractor must pray in writing, showing sufficient reasons therein for modification of programme.

27. Setting out of the work

The Contractor shall be responsible for the true and perfect setting out of the work and for the correctness of the position, levels, dimensions and alignments of all parts of work. If any rectification or adjustment becomes necessary, the Contractor shall have to do the same at its own cost according to the direction of the Engineer-in-Charge. During progress of Works, if any, defect appears or arises in respect of position, level, dimensions or alignment of any part of the Works, the Contractor shall at its own cost rectify such defects to the satisfaction of the Engineer-in-Charge. Any setting out that may be done or checked by either of them shall not in any way relieve the Contractor from their responsibility for correctness and rectification thereof.

28. Precautions during Works

The Contractor shall carefully execute the work without disturbing or damaging underground or overhead service utilities viz. electricity, telephones, gas pipelines, water pipes, sewers etc. In case disturbances of service utilities is found unavoidable the matter should immediately be brought to the notice of the Engineer-in-Charge and necessary precautionary measures as would be directed by the Engineer-in-Charge shall be carried out at the cost and expenses of the Contractor. If the service utilities are damaged or disturbed in any way by the Contractor during execution of the Works, the cost of rectification or restoration of damages as would be fixed by the Engineer-in-Charge concerned will be recovered from the Contractor.

29. Testing of qualities of materials & workmanship

All materials and workmanship shall be in accordance with the specifications laid down in the relevant Schedule of Rates for Building Works (Volume - I) and Sanitary & Plumbing Works (Volume - II) and relevant IS / IRC codes and the Engineer-in-Charge reserves the right to test, examine and measure the materials / workmanship direct at the place of manufacture, fabrication or at the site of Works or any suitable place. The Contractor shall provide such assistance, instrument, machine, labour and materials as the Engineer-in-Charge may require for examining, measuring and testing the works and quality, weight or quantity of materials used and shall supply samples for testing as may be selected and required by the Engineer-in-Charge without any extra cost. Besides this, the Contractor will carry out tests from outside Government Laboratory as per instruction of Engineer-in-Charge. The cost of all such tests will have to be borne by the Contractor at actuals.

30. Specification for Building, Sanitary and Plumbing Works and Ancillary Works and Quality Control Tests

All works and all quality control tests should conform to specifications mentioned in the BOQ and in the NleT and in the relevant "Schedule of Rates, Building, Sanitary & Plumbing Works of PWD, Government of West Bengal read with relevant Corrigenda and Addenda". Where the above BOQ, NleT and SOR is silent about specification or quality control tests of any particular item of work, the same should conform to the specifications and quality control test laid down in the relevant, "Schedule of Rates of Road & Bridge Works PWD, Government of West Bengal read with relevant Corrigenda & Addenda / relevant IS / IRC Codes of practice."

31. Procurement of materials

All materials required to complete execution of the Works will have to be supplied by the Contractor after procurement from authorised and approved source.

32. Rejection of materials

All materials brought to the site must be approved by the Engineer-in-Charge. Rejected materials must be removed by the Contractor from the site within 24 hours from the issue of order to that effect. In case of non-compliance of such order, the Engineer-in-Charge will have the authority to cause such removal at the cost and expense of the Contractor and the Contractor will not be entitled to claim for any loss or damage on that account.

33. Implied elements of work in items

No separate charges will be paid for shoring, shuttering, de-watering, curing etc. and the rates of respective items or works are deemed to be inclusive of the same.

34. Damaged cement

Any cement lying at the Contractor's custody, which is found at the time of use to have been damaged, will be rejected and must immediately be removed from the site by the Contractor or disposed of as directed by the Engineer-in-Charge at the costs and expenses of the Contractor.

35. Forced Closure

In case of forced closure or abandonment of the Works by the Authority, the Contractor will be eligible to be paid for the finished works and reimbursement of expenses actually incurred but not for any losses.

36. Tender Rate

The Contractor should note that the tender is strictly based on the price quoted by the Contractor on the estimated amount put to tender of probable item of work. The quantities for various other items of Works as shown in the Bill of Quantities are based on the Drawings and designs prepared by the Authority. If variations become necessary due to design consideration and as per actual site conditions, those will have to be done by the Contractor at the price quoted by the Contractor in the tender. No conditional rate will be allowed in any case.

37. Delay due to modification of drawing and design

The Contractor will not be entitled for any compensation for any loss due to delay arising out of modification of the drawings, addition and alterations of specifications, delay in issuance of drawings, etc.

38. Additional Conditions

- (i) Display board (Informatory) of size 150 cm x 90 cm is to be provided by the Contractor at starting and end chain age of the site with aluminum plate hoisted on steel tubular pipe/ angle post to a height of 1.5 Meter at the cost of the Contractor including fitting, fixing, painting, lettering etc. complete as per direction of the Engineer-in- Charge.
- (ii) All materials required for the Works including bitumen (all grade), bitumen emulsion, cement and steel will have to be of specified grade and approved brand in conformity with relevant codes of practice (latest revisions included) and manufactured accordingly and will have to be procured and supplied by the Contractor(s) at its own cost inclusive of all rates and taxes. Authenticated evidence for purchase of bitumen, bitumen emulsion, cement and steel are to be submitted along with challan and Test Certificate. In the event further testing is directed by the Engineer-in-Charge, such testing from any Government approved/ Government Testing Laboratory will have to be conducted by the Contractor at its own cost.
- (iii) The Works shall conform to strength, quality and workmanship to the accepted standards of the relevant industry and specifically to PWD SOR as applicable to the state of West Bengal. Modifications of or additions to basic standard products of less size or capability to meet these requirements will not be acceptable.
- (iv) The Contractor is to display caution board maintaining I.S. / I.R.C. norms at its own cost as per direction of the Engineer-in-Charge.
- (v) Deep excavation of trenches left out for days should be avoided.
- (vi) Labour Welfare Cess will be deducted @ 1% (one percent) of gross bill value as per Rule, if applicable.
- (vii) Income Tax will be deducted from each bill of the Contractor as per applicable rate and rules in force.

39. Night Work

The Contractor shall not ordinarily be allowed to execute the work at night. The Contractor may however, have to execute the work at night, if instructed by the Engineer-in-Charge, for true, technical or emergent reasons. In that case, the Contractor shall have to arrange for separate set of labour with sufficient and satisfactory lighting arrangement for the night work. No extra payment whatsoever in this respect will be made to the Contractor.

40. Working condition

During execution of work, the Contractor will remain responsible for providing unhindered passage to traffic on road adjacent to site, providing lighting and guarding arrangement during night for safety and no extra cost will be paid on this account.

The Contractor shall make its own arrangement for water, necessary power of lighting, welding, running of pumps etc. and no extra payment will be made on these accounts.

41. Consequences of defacement or destruction

If the Contractor or its workmen or servants or representatives break, deface, injure or destroy any part of the factory building, in which they may be working or any building, road, road kerbs, fence, enclosure, water pipes, cables, drains, electric or telephone posts or wires, trees, grass or grassland or cultivated ground contiguous to the site or which the Works or any part of it is being executed or if the Works get damaged from any cause whatsoever or any imperfections becoming apparent in it at any time whether during its execution or within the Defect Liability Period, the Contractor shall rectify at its own expenses, or in default, the Engineer-in-Charge may cause the same to be rectified by other agencies and deduct the expenses (of which the certificate of the Engineer-in-Charge shall be final) from any sums whether under the Contract or otherwise, that may be then, or at any time thereafter become due to the Contractor by the Authority, or from the Performance Security or the proceeds of the sale thereof, or of a sufficient portion thereof and if the cost, in the opinion of the Engineer-in-Charge (which opinion shall be final and conclusive against the Contractor), of making such damage or imperfection rectified shall exceed the amount of such Performance Security and or such sum, and the Authority shall be entitled to recover the excess cost from the Contractor in accordance with the procedure prescribed by any law for the time being in force.

42. Warranty

If the Contractor is not the original manufacturer of the machineries/ equipment being supplied, it shall provide the Authority with the benefit of all manufacturer's warranties. Such warranty shall remain valid, till the end of Defects Liability Period. During the warranty, free comprehensive annual maintenance and repairs services including testing and calibration, labour and spares shall be provided by the Contractor. If necessary, the Contractor shall engage qualified person to carry out maintenance, repair etc. If the Contractor, having been notified, fails to remedy the defect(s) within the stipulated period, the Authority may proceed to take such remedial action as may be necessary, at the Contractor's risk and expense and without prejudice to any other rights which the Authority may have against the Contractor under the Contract. The machineries/ equipment shall be new and unused and remanufactured/ reconditioned/ demo machineries/ equipment will not be acceptable and undertaking of the manufacturer to this effect shall be submitted by the Contractor to the Authority. The Contractor shall remain responsive to the needs of the Authority for any services that may be required in connection with any of the warranties given by the Contractor under the Contract. During any period in which the Contractor's warranties are effective, upon notice by the Authority that the machineries/ equipment do not conform to the requirements of the Contract, the Contractor shall replace the defective machineries/ equipment with machineries/ equipment of the same or better quality or fully reimburse the Authority for the purchase price paid for the defective machineries/ equipment; and if having been notified by any means, the Contractor fails to replace the defective machineries/ equipment within 30 days or such other period as may be specified by the Authority. The Authority may proceed to take such remedial action as may be necessary, at the Contractor's risk and expense and without prejudice to any other rights which the Authority may have against the Contractor under the Contract.

43. Permits, Licences or Approvals

It will be the duty of the Contractor to apply for and obtain any permits, licences, approvals, clearances or No Objection Certificates required by the laws of India, which the Contractor is required to obtain for commencement of construction, completion of construction, delivery of machineries/ equipment including clearance through customs, supply, installation and commissioning of the same. Upon obtaining such permits, licenses, approvals, clearance or no objection certificate from the appropriate authority, the Contractor shall provide a copy of such permits, licenses, approvals, clearance or no objection certificate to the Authority.

44. Accidents - Precautions at Worksite

The Contractor shall ensure that materials on the site shall not be stacked or placed as to cause danger or inconveniences to any person or to the public. The Contractor shall provide all necessary fencing and lights to protect the public from accidents and shall be bound to bear expenses of defence of every suit, action or other proceedings at law, that may be brought by any person, for injury sustained, owing to neglect of the above precautions and to pay any damages and costs which may be awarded in any such suit, action or proceeding, to any such person or which may, with the consent of the Contractor be paid to compromise any claim by any such person.

45. Electrical Equipment – Precautions

All temporary and permanent electrical installations, power distribution and supply required for execution of Works shall be carried out by the Contractor conforming to existing industrial and domestic safety rules and regulations. Important specific points to be noted are as under:

- (i) Meter room and main switches should be freely accessible at all times and fully protected against all weather conditions.
- (ii) Power distribution system shall be identifiable with display marking on switches.
- (iii) All power distribution shall be carried out with coated, adequately insulated and of appropriate current/load rating cables. It shall be securely routed for this purpose. No loose, naked, hanging wires shall be permitted.
- (iv) Overload protection devices shall be installed whenever and wherever heavy current/ load consuming construction plant or machinery susceptible to hazard is in use and as directed by the Employer's Representative.
- (v) Metallic plugs and sockets shall be used in field work. Switch board shall be in close proximity so as to have quick control over the supply.
- (vi) Proper and adequate earthing connection should be provided for all installations, plant and machinery and distribution system.
- (vii) Hand lamps and inspection lamps shall be adequately insulated and guarded with wire mesh and should have proper plugs for use.
- (viii) Security and illuminatory light shall be secured firmly and protected to withstand all weather conditions.

46. Maintenance of Safety Devices

All scaffoldings, ladders and other safety devices mentioned or described herein shall be maintained by the Contractor in a safe condition and no scaffold, ladder or equipment shall be altered or removed while it is in use. Adequate maintenance facilities shall be provided at or near places of work by the Authority.

47. Personal Safety

- (a) All necessary personal safety equipment as considered adequate by the Contractor shall be made available for use of persons employed on the site and maintained in a condition suitable for immediate use and the Contractor shall take adequate steps to ensure proper use of equipment by those concerned.
- (b) Workers employed on mixing asphaltic materials, cement, and lime mortars/concrete shall be provided with protective footwear and protective gloves by the Contractor.
- (c) Those engaged in handling any materials which are injurious to eyes shall be provided with protective goggles by the Contractor.
- (d) Workers employed on erection works, etc. shall be provided with helmets, safety belts etc. by the Contractor.
- (e) Workers employed on concrete finishing, welding, painting and other works above 2 metres height shall be provided with a suitable safety belt, as per the applicable Factory Rules by the Contractor.

48. Storing Fuel, Oil and Lubricant

The Contractor shall take approval from the Safety Officer of the Authority for storing the lubricants, oil and fuel at the site required for the construction.

49. Fire Extinguishing

Suitable, sufficient number of fire extinguishers for all types of fire, shall be kept at site by the Contractor. In addition, sufficient number of fire buckets filled with water and sand shall also be kept by the Contractor. The firefighting equipment as outlined above shall be dispersed in a suitable and purposeful manner. The Contractor shall comply with regulations of the controlling authority in force at the site relating to the precautions to be taken against fire hazards.

50. Safety Manual

The Contractor shall submit a Safety Manual indicating the safety measures proposed to be adopted in light of above provisions, for approval of the Engineer-in-Chief.

51. Protection of the Environment

The Contractor shall take all reasonable steps to protect the environment (both on and off the site) and to limit damage and nuisance to people and property resulting from pollution, noise and other results of its operations. The Contractor shall maintain ecological balance by preventing deforestation, water pollution and defacing of natural landscape. The Contractor shall so conduct its construction operations as to prevent any avoidable destruction, scarring or defacing of natural surrounding in the vicinity of work. In respect of ecological balance, the Contractor shall observe the following instructions for which no extra payments will be made:

- (a) Where destruction, scarring, damage or defacing may occur as a result of operations relating to the Works, the same shall be repaired, replanted or otherwise corrected at Contractor's expense. All work areas shall be smoothed and graded in a manner to conform to natural appearance of the landscape as directed by the Engineer-in-Chief.
- (b) All trees and shrubbery, which are not specifically required to be cleared or removed for construction purposes, shall be preserved and shall be protected from any damage that may be caused by Contractor's construction operations and equipment or by their employees/ workers. The removal of trees or shrubs will be permitted only after prior approval of the Engineer-in-Chief. Special care shall be exercised where trees or shrubs are exposed to injuries by construction equipment, blasting, excavating, dumping, chemical damage or other operation and the Contractor shall adequately protect such trees by use of protective barriers or other methods approved by the Engineer-in-Chief. Trees shall not be used for anchorage. The Contractor shall be responsible for injuries to trees and shrubs caused by its operations and its employees/ workers. The terms "injury" shall include, without limitation, bruising, scarring, tearing and breaking of roots, trunks or branches. All injured trees and shrubs shall be restored as nearly practicable, without delay, to their original condition at the Contractor's expense.
- (c) Where trees have to be necessarily cut for progressing the Works, the Contractor shall arrange for compensatory a forestation as may be required by environmental Rules and Regulations.

- (d) In the conduct of construction activities and operation of equipment, the Contractor shall utilise such practicable methods and devices as are reasonably available to control, prevent and otherwise minimise air/ noise pollution.
- (e) Excessive emission of dust into the atmosphere will not be permitted during manufacture, handling and storage of concrete aggregates/ fly ash / earth/ building materials and the Contractor shall use such methods and equipment as are necessary for collection and disposal or prevention of dust during these operations. The Contractor's method of storing and handling cement shall also include means of eliminating atmospheric discharge of dust. Equipment and vehicles that give objectionable emission of exhaust gases shall not be operated. Burning of materials resulting from cleaning of trees, branches, combustible construction materials and rubbish may be permitted only when atmospheric conditions for burning are considered favourable.
- (f) Special care must be exercised in ensuring that the labour housed in labour camp within the site area do not indulge in any activity like drinking alcohol, taking drugs, etc., and other activities that may affect the ecological balance such as cutting of shrubs for fuel, creating open air nuisance etc.
- (g) The Contractor shall not cut or destroy any trees in the campus to the maximum extent possible. In case any tree is to be cut, it shall obtain prior permission from the competent authority under the relevant laws and shall plant equal number of saplings or adhere to the requirements of the prevailing Environmental laws / terms of the permission, whichever is more stringent. The Employer may assist the Contractor in obtaining such permission, including signing necessary documents. The Contractor shall use all means to minimize the effluents from its construction work and transportation activity or any other activity in the course of the execution of the Works.

52. Progress Reports

Unless otherwise stated, fortnightly progress reports shall be prepared by the Contractor and submitted to the Authority in three copies. The first report shall cover the period up to the end of the first calendar month following the date of Commencement of Works. Reports shall be submitted fortnightly thereafter, each within 7 days after the last day of the period to which it relates. Reporting shall continue until the Contractor has completed all Works which is known to be outstanding at the scheduled date of completion of the Works.

Each Report shall include:

- (a) charts and detailed descriptions of progress, including each stage of design, procurement, manufacture, delivery to site, construction, erection, testing, commissioning and trial operation;
- (b) photographs and videographs showing the status of progress at the site;
- (c) the details described in the Contractor's records;
- (d) copies of quality assurance documents, test results and certificates of materials;
- (e) safety statistics, including details of any hazardous incidents and activities relating to environmental aspects and public relations; and
- (f) comparisons of actual and planned progress, with details of any events or circumstances which may jeopardize the completion in accordance with the Contract, and the measures being (or to be) adopted to overcome delays.

53. Terms and Mode of Payment

- (i) Payment shall be made subject to recoveries, if any, by way of liquidated damages or any other charges as per terms and conditions of Contract in the following manner.
- (ii) The Contractor shall not be entitled to any interest on payments under the Contract.
- (iii) Where there is a statutory requirement for tax deduction at source, such deduction towards income tax and other taxes as applicable will be made from the bills payable to the Contractor at rates as notified from time to time.
- (iv) The payment of bills of the Contractor shall be made by the Authority in INR (Indian National Rupee).
- (v) The periodic bills would comprise of a percentage of the Contract Price, which shall be raised by the Contractor on the Authority, upon completion of each project milestone. The project milestone and the respective percentage of the Contract Price, to which the Contractor shall be entitled would be specified in the Notification of Award.
- (vi) While claiming payment, the Contractor is also to certify in the bill that the payment being claimed is strictly in terms of the Contract and all the obligations on the part of the Contractor for claiming that payment has been fulfilled as required under the Contract.
- (vii) The Works shall not be deemed to have been completed unless the "final bill" in respect thereof shall have been passed and certificate for payment by the Engineer-in-Charge has been issued.

(viii) The Engineer-in-Charge shall pass the “final bill” and certify thereon, within a period of 45 (forty five) days with effect from the date of submission thereof by the Contractor, the amount payable to the Contractor under this Contract and shall also issue a separate certificate of completion of work to the Contractor within the said period of 45 (forty five) days. The certificate of Engineer-in-Charge whether in respect of the amount payable to the Contractor against the “final bill” or in respect of completion of work shall be final and conclusive against the Contractor. However, the Performance Security of the Contractor held by the Corporation shall be refunded to the Contractor once the Defects Liability Period is over.

54. Defects Liability Period

Performance requirements of the Works completed is as per detailed specifications and standards specified and to be adhered to strictly. Incase of deficiency, the same is to be rectified / redone to meet the specifications at the risk and cost of the Contractor within a period mutually agreed between the Authority and the Contractor subject to a maximum period of 1 month.

The Contractor shall be liable to rectify all defects in the Works done by the Contractor under this Contract, or from any act or omission of the Contractor for a period of 12 months from the date of taking over of the Works by the Authority.

55. Liquidated Damages

If the Contractor fails to complete the Works within the time of completion, the Authority shall, without prejudice to other rights and remedies available to the Authority under the Contract, deduct from the Contract Price, as Liquidated Damages a sum equivalent to 0.5% per week of delay or part thereof until the date of successful completion of the Works to the satisfaction of Engineer-in-Charge, subject to a maximum of 10% of the total Contract price. Once the maximum delay has been committed by the Contractor, the Authority may proceed for termination of the Contract, in accordance with Clause 60, without prejudice to the Authority's right to terminate the Contract even prior thereto for breach by the Contractor.

No Liquidated Damages shall be imposed on the Contractor by the Authority, without giving a reasonable opportunity to the Contractor to explain the reason behind its delay.

56. Delay in the Contractor's performance

The Contractor shall perform the Works under the Contract within the time of completion as provided in the NIET. Subject to Clause 58 - "Force Majeure", any unexcused delay by the Contractor in maintaining its contractual obligations towards execution of Works shall render the Contractor liable to any or all of the following sanctions:

- (i) Imposition of Liquidated Damages,
- (ii) Forfeiture of its Performance Security and
- (iii) Termination of the Contract for default.

When the time of completion is extended due to failure of the Contractor to complete the Works within the time of completion, the amendment letter extending the time of completion shall, inter alia, contain the condition that no increase in Contract Price on account of any ground, whatsoever, including any stipulation in the Contract for increase in price on any other ground and also including any enhancement of taxes or duties which may be levied in respect of the Works specified in the Contract, shall be admissible.

57. Dispute Resolution Mechanism

Any dispute between the parties arising out of or relating to this Contract which cannot be resolved through good faith or negotiation shall be settled by arbitration, in terms of the provisions of the Arbitration and Conciliation Act, 1996. The arbitration shall be held at Kolkata only and shall be settled by a sole arbitrator to be appointed by the Hon'ble High Court at Calcutta. The award of the arbitrator shall be binding on both the parties. Pending the submission of and / or decision on a dispute, difference or claim, or until the arbitral award is published, both the parties shall continue to perform all of their obligations under the Contract without prejudice to a final adjustment in accordance with such award.

58. Force Majeure

Notwithstanding, any other provisions above, the Authority shall not be liable for imposition of any such sanction so long the delay and/or failure of the Contractor in fulfilling its obligations under the Contract is the result of an event of Force Majeure. For purposes of this clause/provision, Force Majeure means an event beyond the control of the Contractor and not involving the Contractor's fault or negligence and which is not foreseeable and not brought about at the instance of, the party claiming to be affected by such event and which has caused the non-performance or delay in performance. Such events may include, but are not restricted to, acts of the

Authority either in its sovereign or contractual capacity, wars or revolutions, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, pestilence, quarantine restrictions, strikes excluding by its employees and lockouts excluding by its management.

59. Indemnification

- (i) The Contractor shall indemnify, defend and hold the Authority harmless against any or all proceedings, actions and third-party claims arising out of a breach by the Contractor of any of its obligations under this Contract. This indemnity shall be limited in respect of making harmless to the Authority against all actions, suits, claims and demands brought or made against it, in respect of anything done or committed to be done by the Contractor in execution of or in connection with this Contract and against any loss or damage to the Authority in consequence to any action or suit, or a legal proceeding, being brought amidst the Contractor for anything done or committed to be done in the execution of this Contract. The Contractor will abide by the job safety measures prevalent in India and will free the Authority from all demands or responsibilities arising from accidents or loss of life, on account of the Contractor's negligence and responsibility. The Contractor will pay all indemnities arising from such incidents without any extra cost to the Authority and will not hold the Authority responsible or obligated. The Authority may at its discretion and entirely at the cost of the Contractor defend such suit.
- (ii) The Authority and the Contractor, its servants, employees and servants shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto, in connection with the Contract, whether such information has been furnished prior to, during or following termination of the Contract.
- (iii) The Contractor shall not use such documents, data and other information received from the Authority for any purpose unrelated to the Contract. Similarly, the Contractor shall not use such documents, data and other information received from Contractor for any purpose other than the performance of the Contract.
- (iv) The obligation of a party under the two foregoing sub-clauses shall not apply to information that:

- (a) Now or hereafter enters the public domains through no fault of that party;
- (b) Can be proven to have been possessed by that party at time of disclosure and which was not previously obtained, directly, from the other party, or
- (c) Otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.

60. Termination for default

- (i) The Authority, without prejudice to any other contractual rights and remedies available to it(the Authority), may, by written notice of default sent to the Authority, terminate the Contract in whole or in part, if the Contractor fails to complete the construction of the Works within the time of completion or fails to perform any other contractual obligation(s) within the time of completion specified in the Contract; or within any extension thereof granted by the Authority, or there has been a material breach in any declaration by the Contractor, in terms of the Contract.
- (ii) In the event, the Authority terminates the Contract of the Contractor in whole or in part, the Corporation may undertake completion of the unfinished Works, in such terms and conditions and in such manner as it deems fit at the Contractor's risk and cost and the Contractor shall be liable to the Authority for the extra expenditure, if any, incurred by the Authority for undertaking such construction, directly or indirectly, through any agency.
- (iii) Unless otherwise instructed by the Authority, the Contractor shall continue to perform the Contract to the extent not terminated.

61. Termination for insolvency

If the Contractor becomes bankrupt or otherwise insolvent, the Authority reserves the right to terminate the Contract at any time, by serving written notice to the Contractor without any compensation, whatsoever, to the Contractor, subject to further condition that such termination will not prejudice or affect the rights and remedies which have accrued and/or will accrue thereafter to the Authority.

62. Waiver

Waiver, including partial or conditional waiver, by either party of any default by the other party in observance and performance of any provision of or obligations under this Contract:-

- (a) shall not operate or be construed as a waiver of any other or subsequent default hereof or of other provisions of or obligations under this Contract;
- (b) shall not be effective unless it is in writing and executed by a duly authorised representative of the party; and
- (c) shall not affect the validity or enforceability of this Contract in any manner.

Neither the failure by either party to insist on any occasion upon the performance of the terms, conditions and provisions of this Contract or any obligation there under nor time or other indulgence granted by a party to the other party shall be treated or deemed as waiver of such breach or acceptance of any variation or the relinquishment of any such right hereunder.

63. Severability

If for any reason whatever, any provision of this Contract is or becomes invalid, illegal or unenforceable or is declared by any court of competent jurisdiction or any other instrumentality to be invalid, illegal or unenforceable, the validity, legality or enforceability of the remaining provisions shall not be subject to Dispute Resolution Mechanism set forth under this Contract or otherwise.

64. Third Parties

This Contract is intended solely for the benefit of the parties and their respective successors and permitted assigns, and nothing in this Contract shall be construed to create any duty to, standard of care with reference to, or any liability to, any person not a party to this Contract.

65. Successors and Assigns

This Contract shall be binding upon and inure to the benefit of the parties and their respective successors and permitted assigns.

66. Language

All notices required to be given by one party to the other party and all other communications, documentation and proceedings which are in any way relevant to this Contract shall be in writing and in English language.



GLUCONATE HEALTH LIMITED

(A GOVT. OF WEST BENGAL UNDERTAKING)

Under Health & Family Welfare Department, Government of West Bengal
H.O.&R.O.: 2, Durga Charan Doctor Lane, Kolkata -700 014.

SECTION – 4

BIDDING FORMS (BDF)

Tender Ref. No. NIT/PT- 44/25-26

Date: 10.12.2025

SECTION - 4
(BIDDING FORMS)

FORM - 1

LETTER OF TECHNICAL BID IN FORM OF AFFIDAVIT

(To be affirmed on Non-Judicial Stamp Paper of appropriate value duly attested by Notary / Magistrate)

Date:

Tender Ref. No. NIT/PT- 44/25-26 dated 10/12/2025

Name of Contract:

Upgradation of approved pharmaceutical formulation facility consisting of Oral Solid Dept., Beta-lactam Capsule Dept., Oral Liquid Dept., Microbiology and Quality Control Lab, Store with HVAC System and Clean room facility, RO and ETP as per approved project design and drawing

Managing Director,
 Gluconate Health Limited,
 2, Durga Charan Doctor Lane,
 Kolkata – 700 014

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda/Corrigenda issued in accordance with Instructions to Bidders (ITB).
- (b) We offer to execute in conformity with the Bidding Documents the following Works, namely:
 - (i) Demolition Works, as detailed in the BOQ
 - (ii) General Construction Works, as detailed in the BOQ
 - (iii) Plumbing Works, as detailed in the BOQ
 - (iv) Clean Room Works, as detailed in the BOQ
 - (v) Supply, Installation, Testing and Commissioning of Laboratory Furniture, as detailed in the BOQ
 - (vi) Flooring Works, as detailed in the BOQ
 - (vii) PU Flooring Works, as detailed in the BOQ
 - (viii) Supply, Installation, Testing and Commissioning of Equipment, as detailed in the BOQ

- (ix) HVAC Works, as detailed in the BOQ
- (x) VRV Works, as detailed in the BOQ
- (xi) RO Piping Works, as detailed in the BOQ
- (xii) PW Pipeline Works, as detailed in the BOQ
- (xiii) Compressed Air Pipe & and Accessories Fitting Works, as detailed in the BOQ
- (xiv) Low Pressure Steam Works, as detailed in the BOQ
- (xv) Electrical Works, as detailed in the BOQ
- (xvi) Effluent Treatment Plant Works, as detailed in the BOQ
- (c) Our Bid consisting of the Technical Bid and the Financial Bid shall be valid for a period of 365 days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
- (d) If our bid is accepted, we commit to obtain a Performance Security in accordance with the Bidding Documents.
- (e) Our company/ partnership firm has been incorporated in accordance with the laws of India and governed by them.
- (f) Our company/ partnership firm, including its suppliers, do not have any conflict of interest in accordance with ITB 4.3.
- (g) Our company/ partnership firm, is participating as a bidder having satisfied the eligibility criteria in accordance with ITB 4.1.
- (h) Our company/ partnership firm, its affiliates or subsidiaries, including any suppliers for any part of the contract, has not been declared ineligible by GHL, any Department, Authority or body corporate under the Government of India or any State Government.
- (i) We agree to permit GHL or its representative to inspect our accounts and records and other documents relating to the bid submission and to have them audited by auditors appointed by the GHL.
- (j) We understand that:
 - (i) GHL can amend the scope and value of the contract under these Works.
 - (ii) GHL reserves the right to reject any application without assigning any reason.
- (k) All the statements made in the attached documents are true and correct. In case of any information submitted proved to be false or concealed, the application may be rejected and no objection /claim will be raised by the bidder.

Enclo:

1. Statutory Documents
2. Non Statutory Documents
3. Forms & Annexure duly filled up, signed & notarized (where applicable)

Date:
bidder)

For.....(name of

Place:

(Signature)
.....(name of authorized signatory)
.....(designation)

FORM - 2**DECLARATION BY THE BIDDER**

(*Affidavit on Non-Judicial Stamp Paper of appropriate value duly attested by Notary / Magistrate*)

This is to certify that We, _____, in submission of this offer confirm that:-

We have inspected the site of work and have made ourselves fully acquainted with local conditions in and around the site of work. We have carefully gone through the Instructions to Bidders ("ITB") and all the documents, forms & annexures, etc. mentioned therein along with the drawing attached. We have also carefully gone through the ITB, Schedule of Requirements, General Conditions of Contract, forms & annexures etc. to be submitted duly filled up & notarized in the form of Affidavit, where applicable, and time of completion (which is sacrosanct) of the Works being the "Upgradation of approved pharmaceutical formulation facility consisting of Oral Solid Dept., Beta-lactam Capsule Dept., Oral Liquid Dept., Microbiology and Quality Control Lab, Store with HVAC System and Clean room facility, RO and ETP as per approved project design and drawing" in Tender Ref. No. NIT/PT- 44/25-26 dated 09/12/2025.

- i) Our bid is offered taking due consideration of all factors including site information and conditions of the location of the existing factory as stated in the detailed Instructions to Bidders to execute the work up to the standards as laid out in Employer's Requirements and other sections of ITB.
- ii) We understand that the work is being done on Turnkey basis and though we require approval at different stages of the work from the Employer / Employer's Representative, such approval do not absolve owning up of responsibility incumbent to us for adequacy of design, standard of work and its safety, maintaining prescribed specification of the work and upholding secured movement of all the stakeholders inside the premises of the existing factory.
- iii) We promise to abide by all the stipulations of the Contract documents and carry out and complete the work to the satisfaction of the Employer.
- iv) We also agree to procure Plants and Machineries at our cost required for the work.
- v) We also agree to accomplish the job entrusted to us in the stipulated time laid out in ITB except situations not under our control.
- vi) We have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements.

- vii) We do not have records of poor performance such as abandoning the work, not properly completing the contract, inordinate delays in completion, litigation history or financial failures etc.
- viii) There is no subsisting order of ban/ blacklisting passed by any department, authority or body corporate of the Government of India or any State Government.
- ix) We have not been previously or presently under any breach of any erstwhile or existing contracts (including any breach of the provisions pertaining to the furnishing of bid security or performance guarantee) with any department, authority or body corporate of the Government of India or any State Government.
- x) We have submitted all the supporting documents and furnished the relevant details as per prescribed format.
- xi) List of Works satisfying qualification criterion as indicated hereinafter, does not include any work which has been carried out by us through a subcontractor on a back to back basis.
- xii) The information and documents submitted with the bid by us are correct and we are fully responsible for the correctness of the information and documents submitted by us.
- xiii) We understand that in case any statement/information/document furnished by us or to be furnished by me/us in connection with this offer, is found to be incorrect or false, appropriate proceedings for debarment and/ or blacklisting may be commenced against us.

Date:

For.....(name of bidder)

Place:

(Signature)

.....(name of authorized signatory)

.....(designation)

PROFORMA

Similar nature of work done			
Sl. No.	Name of the work with Tender No.	Employer & Contact no	Estimated Amount

Note:

1. In support of having completed above Works, attach self-attested copies of the completion certificate from the client indicating the name of work, the description of work done by the bidder, date of start, date of completion (contractual & actual), value

of contract as awarded and as executed by the bidder and value of material supplied free by the client, along with client certificates evidencing payment of at least 80% of the completed above works shall have to be submitted.

2. Information must be furnished for works carried out by the bidder in his own name as a prime contractor or proportionate share as member of a joint venture. In the latter case, details of contract value including extent of financial participation by partners in that work should be furnished.
3. If a bidder has got a work executed through a subcontractor on a back to back basis, the bidder cannot include such a work for his satisfying the qualification criterion even if the client has issued a completion certificate in favour of that bidder.
4. Only similar works completed during the previous years which meet the qualification criteria need be included in this list.

Date:
bidder)

Place:

.....(name of authorized signatory)

For.....(name of

(Signature)

.....(designation)

FORM - 3**LETTER OF FINANCIAL BID**

Date:

Tender Ref. No. NIT/PT- 44/25-26 dated 10/12/2025

Name of Contract:

Upgradation of approved pharmaceutical formulation facility consisting of Oral Solid Dept., Beta-lactam Capsule Dept., Oral Liquid Dept., Microbiology and Quality Control Lab, Store with HVAC System and Clean room facility, RO and ETP as per approved project design and drawing

Managing Director,
 Gluconate Health Limited,
 2, Durga Charan Doctor Lane,
 Kolkata – 700 014

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda/Corrigenda issued in accordance with Instructions to Bidders (ITB) 8;
- (b) The total price of our bid is the sum total of the costs mentioned in the Bill of Quantities;
- (c) Our bid shall be valid for a period of 365 days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
- (e) If our bid is accepted, we commit to obtain a Performance Security in accordance with the Bidding Documents.
- (f) We understand that this bid, together with your written acceptance thereof included in your Notification of Award, shall constitute a binding contract between us, until a formal contract is prepared and executed; and
- (g) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Date:

For.....(name of bidder)

Place:

(Signature)
(name of authorized signatory)
(designation)

FORM -4**POWER OF ATTORNEY IN FAVOUR OF SIGNATORY OF THE BID***(To be executed on non-judicial stamp paper of appropriate value)*

KNOW ALL MEN BY THESE PRESENTS THAT WE,[insert the name of the bidder]..... a company within the meaning of the Companies Act, 2013/ a LLP within the meaning of the Limited Liability Partnership Act, 2006/ a partnership firm within the meaning of the Indian Partnership Act, 1932 (strike out and omit whichever is not applicable) and having its registered office/ office at[insert address](hereinafter referred to as the bidder) acting through[insert name of the person giving the Power of Attorney].....presently holding the position of(insert designation of the person giving the Power of Attorney) having been authorized by the Board of Directors of the company (only in case of bidder being a company)/ majority of Partners of the partnership firm (in case of bidder being a partnership firm)/ designated partners of LLP (in case of bidder being a LLP), inter alia, to execute contracts in the name of and for and on behalf of the company/ LLP/ partnership firm do hereby constitute, appoint and authorize (insert name, designation and residential address of the person to whom the Power of Attorney is being given)..... as our true and lawful attorney to do in our name and on our behalf all such acts, deeds, things necessary and incidental for submission of our bid against Tender Ref. No. NIT/PT- 44/25-26 dated 09/12/2025 issued by GHL. We hereby further authorize the above attorney for signing and submission of the bid and all other documents, information related to the bid including undertakings, letters, certificates, declarations, clarifications, acceptances, guarantees, any amendments to the bid and such documents related to the bid, and providing responses and representing us in all the matters before GHL in connection with the bid for the said tender till the completion of the bidding process. We accordingly hereby nominate, constitute and appoint abovenamed person, as the lawful attorney to do all or any of the acts specifically mentioned immediately herein above.

We do hereby agree and undertake to ratify and confirm whatever either of the said Attorney shall lawfully do or cause to be done under and by virtue of this Power of Attorney and the acts of the attorney to all intents and purposes are done as if the same had been done on behalf of the company/ LLP/ partnership firm if these presents had not been made.

IN WITNESS WHEREOF WE, _____,

THE ABOVE

NAMED PRINCIPAL HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS _____
DAY OF _____, 20**.

For _____

(Signature, name, designation and
address)

Witnesses:

1.

2.

[Notarised]

Accepted

(Signature)

(Name, Title and Address of the Attorney)

FORM - 5**BIDDER'S INFORMATION SHEET**

To establish its qualifications to perform the contract in accordance with Section – 3General Conditions of Contract) the Bidder shall provide the information requested in the corresponding Information Sheets included hereunder.

	Bidder's Information
Bidder's legal name	
Bidder's year of constitution	
Bidder's registered address	
Bidder's authorized representative (name, address, telephone numbers, e-mail address)	
Attached are copies of the following original documents. <ul style="list-style-type: none"> <input type="checkbox"/> 1. Memorandum and Articles of Association and certificate of incorporation (company) or partnership deed (partnership firm) or partnership deed and certificate of incorporation (LLP), in accordance with ITB 4.1. <input type="checkbox"/> 2. Authorization to represent the company named in above, in accordance with ITB 17.1. 	

FORM - 6**GENERAL CONSTRUCTION EXPERIENCE**

Each bidder must fill in this form

General Construction Experience				
Starting Month Year	Ending Month Year	Total number of years	Contract Identification and Name, Name and Address of Employer, Brief Description of the Works Executed by the bidder and the Value of the Contract	Role of bidder

FORM - 7**MANUFACTURER'S AUTHORISATION FORM**

Tender No. _____ Date: _____

WHEREAS _____ who are official manufacturers of _____ and having production facilities at _____ do hereby authorize _____ located at _____ (hereinafter, the "bidder") to supply the following Products produced by us, the makes/ categories/sub-categories of which has been approved by the Employer for the Supply Requirements.

[Note : Please Specify the Product Name & Model No here.]

When resold by _____ these products are subject to applicable warranty terms of your Bidding Documents/ ToR.

We assure you that in the event of _____ not being able to fulfill its obligation as our Sales & Service Provider in respect of your Bidding Documents/ ToR, we would continue to meet the terms stated in the abovementioned Bidding Documents/ ToR through alternate arrangements.

We also confirm that _____ (name of the Service Provider) is our authorized service provider and can hence provide maintenance and upgrade support for our products.

Name _____ In the capacity of _____

Signed _____

Note: This authorization letter must be on the letterhead of the manufacturer, must be signed by a person competent and having the Power of Attorney (Notarized copy to be attached) to bind the Manufacturer.

FORM-8**FINANCIAL CAPACITY OF BIDDER***(On the letterhead of a qualified Chartered Accountant)*

Dated :[●]

Certificate of Financial Capacity

We certify that _____, which is a company within the meaning of the Companies Act, 2013, / a LLP within the meaning of the Limited Liability Partnership Act, 2008/ a partnership firm within the meaning of the Indian Partnership Act, 1932 as per its audited books of accounts, has the following Turnover in the last three financial years:

Financial Year	Turnover
2024-2025	
2023-2024	
2022-2023	

We further certify that the said Turnover have been calculated in accordance with the formula specified in the Bidding Documents.

We further certify that the bidder has a positive net worth, as on the date of submission of the bid, as per the formula provided in the Bidding Documents.

Name of Chartered Accountant:

Seal of Chartered Accountant:

UDIN:

FORM - 9**(FORM OF NOTIFICATION OF AWARD)****(BY SPEED POST)****(On the letter head of GHL)**

No. : _____ /

Dated :

To

Name & Address of the bidder

Dear Sirs,

Sub: Tender Ref. No. NIT/PT- 44/25-26 dated 09/12/2025 for Upgradation of approved pharmaceutical formulation facility consisting of Oral Solid Dept., Beta-lactam Capsule Dept., Oral Liquid Dept., Microbiology and Quality Control Lab, Store with HVAC System and Clean room facility, RO and ETP as per approved project design and drawing

Ref: Your bid dated _____ .

This is to notify you that your bid for the work under reference has been accepted by the Competent Authority of _____ for a Contract Price of Rs. _____/- (Rupees _____ only).

Pursuant to Clause 8 of the GCC, you are required to furnish irrevocable Performance Security for an amount equivalent to 10% (ten percent) of the Contract Price. The Performance Security of an amount of Rs. _____/- (Rupees _____ only) is thus required to be submitted within 14 (fourteen) days of issue of this Notification of Award.

The time of 6(six) months allowed for execution of the Project will be reckoned from the date of this Notification of Award.

You are requested to contact _____ (complete designation and address of the project-in-charge/ Employer's Representative) for execution of the contract.

During the term of the contract, the Contract Price shall be paid to you, in the following manner, depending on the progress of the Works:

Sl.	Work undertaken	Bill value
1.	Upon completion of _____	___% of the Contract Price
2.	Upon completion of _____	___% of the Contract Price

Sl.	Work undertaken	Bill value
3.	Upon completion of _____	___% of the Contract Price
4.	Upon completion of _____	___% of the Contract Price
5.	Upon completion of the entire Works	Balance ___% of the Contract Price

The Form of Agreement to be executed is being sent to you shortly. Kindly ensure that the same is returned to us duly signed at the earliest and not later than 21 (twenty one) days from the receipt of the Form of Agreement. It may be noted that no payment shall be made for any work carried out by you till the Agreement is executed and till such time the Performance Security has been submitted by you.

This Notification of Award is being sent to you in duplicate and you are requested to return without delay one copy of the letter duly signed and stamped, in token of your acknowledgement.

Kindly note that this Notification of Award shall constitute a binding contract between us pending execution of formal Agreement.

Your letter referred to above shall form part of the Contract.

Yours faithfully,
For Gluconate Health Ltd.

Managing Director

FORM – 10**FORM OF AGREEMENT**

(ON NON-JUDICIAL STAMPPAPER OF APPROPRIATE VALUE)

THIS AGREEMENT is made on ____ day of Two Thousand and _____ between Gluconate Health Limited (GHL) herein after called the "Authority" (which expression shall, wherever the context so demands or requires, include their successors in office and assigns) of the One Part and herein after called the "Contractor" (which expression shall wherever the context so demands or requires, include his/their successors and assigns) of the Other Part. WHEREAS the Authority is desirous that the Works pertaining to upgradation of approved pharmaceutical formulation facility consisting of Oral Solid Dept., Beta-lactam Capsule Dept., Oral Liquid Dept., Microbiology and Quality Control Lab, Store with HVAC System and Clean room facility, RO and ETP as per approved project design and drawing, should be executed and has by Notification of Award dated accepted a tender submitted by the Contractor for the Works at a total Contract Price of Rs._____/- (Rupees _____ only).

NOW THIS AGREEMENT WITNESSED Has follows :-

1. In this Agreement, words and expressions shall have the same meaning as respectively assigned to them in the General Conditions of Contract herein after referred to.

2. **Documents**

The following documents in conjunction with Addenda/Corrigenda to Bidding Documents shall be deemed to form and be read and construed as part of this Agreement viz.

- i. Notice Inviting e-Tender
- ii. Instructions to Bidders
- iii. General Conditions of Contract
- iv. Bidding Forms
- v. Schedule of Requirements

3. **Previous Communications**

This document constitutes the entire Contract between the parties and supersedes all previous communications, whether or a written, in relation to the Project to be undertaken in accordance with the Contract.

4. **Execution of Works**

Inconsideration of the payment to be made by the Authority to the Contractor as herein after mentioned, the Contactor hereby covenants with the Authority to execute, complete, remedy defects therein and maintain the Works in conformity in all respects with the provisions of the Contract.

5. **Payment**

The Authority hereby covenants to pay to the Contractor in consideration of the execution, completion, remedying of any defects there in and maintenance of the Works, the Contract Price or such other sum as may be come payable under the provisions of the Contract at the time and in the manner prescribed by the Contract.

6. **Commencement of the Project**

This Contract will remain in effect from and expire on _____ unless terminated earlier in accordance with the provisions of the Contract.

7. **Acknowledgement**

The Contractor shall confirm acceptance of the terms of this Contract by signing and returning to GHL the duplicate copy enclosed herewith within a period of 21days from date of receipt of Notification of Award.

IN WITNESS where of the parties here to have caused their respective hands to be here into affixed the day and year first above written.

In the capacity of _____.

FORM – 11**FORM OF PERFORMANCE SECURITY BANK GUARANTEE**

In consideration of the Authority having agreed under the terms and conditions of contract made vide its Notification of Award No.-----dated ----- between Gluconate Health Limited (the Authority) represented by its Managing Director and (hereinafter called "the said Contractor) for Upgradation of approved pharmaceutical formulation facility consisting of Oral Solid Dept., Beta-lactam Capsule Dept., Oral Liquid Dept., Microbiology and Quality Control Lab, Store with HVAC System and Clean room facility, RO and ETP as per approved project design and drawing at1, Health Institute Road, Dum Dum Cantonment, Kolkata 700065 in the State of West Bengal on Turnkey Basis (herein after called the said Agreement") the Contractor having agreed to production of an irrevocable Bank Guarantee for Rs. ----- (Rupees ----- Only) as a Security/Guarantee for compliance of its obligations in accordance with the terms and conditions in the said Agreement:

1. We ----- (indicate the name of the Bank) (hereinafter referred to as "the Bank" hereby undertake to pay to the GLUCONATE HEALTH LIMITED. (GHL), an amount not exceeding Rs. ----- (Rupees -----only) on demand by GHL.
2. We ----- (indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this Guarantee without any demur, merely on a demand from GHL for and on behalf of the Authority as an Agent/Power of Attorney Holder stating that the amount claimed is required to meet the recoveries due or likely to be due from the said Contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this Guarantee shall be restricted to an amount not exceeding Rs.----- (Rupees -----only).
3. We, the said Bank further under take to pay to the Authority represented by GHL for and on behalf of the Authority as an Agent/Power of Attorney Holder any money so demanded notwithstanding any dispute or disputes raised by the Contractor in any suit or proceeding pending before any court or Tribunal relating thereto, our liabilities under this present being absolute and unequivocal. The payment so made by us under this Guarantee shall be a valid discharge of our liability for payment there under and the Contractor shall have no claim against us for making such payment.
4. We ----- (Indicate the name of the Bank) further agree that the Guarantee herein contained shall remain in full force and effect for a period of 12

months from the date of issue and upon being extended for similar periods of 12 months each, it shall continue to be enforceable till all dues of the Authority under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till the Authority's Representative on behalf of the Authority certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said Contractor and accordingly discharges this Guarantee.

5. We ----- (indicate the name of the Bank) further agree with the Authority, that the Authority shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said Contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the Authority against the said Contractor(s) and to forbear from or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor or for any forbearance, act of omission on the part of the Authority or any indulgence by the Authority to the said Contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. This Guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.
7. This Guarantee will neither be cancelled nor revoked by the Bank without the written authorization of GHL. For this purpose, the beneficiary GHL would inform the Bank of their authorized signatories together with the specimen signatures.
8. This Guarantee shall be valid up to a period of 12 months from the date of issue unless extended on demand by the Authority. Notwithstanding anything mentioned above, our liability against this Guarantee is restricted to Rs. ----- (Rupees ----- ----- Only) and unless a claim in writing is lodged with us within the date of expiry or the extended date of expiry of this Guarantee, all our liabilities under this Guarantee shall stand discharged.

Dated the ----- day of ----- for ----- (indicate the name of the Bank)".

Note : To be put in sealed cover by Bank and addressed to the concerned officer of GHL.

On behalf of M/s. -----

(The Contractor)

In the presence of

Witnesses (Signature, Name & Designation)

1.

2.

For and on behalf of GHL _____ (The Authority)

In the presence of

Witnesses (Signature, Name & Designation)

1.

2.



GLUCONATE HEALTH LIMITED

(A GOVT. OF WEST BENGAL UNDERTAKING)

Under Health & Family Welfare Department, Government of West Bengal

H.O.&R.O.: 2, Durga Charan Doctor Lane, Kolkata -700 014.

SECTION - 5

SCHEDULE OF REQUIREMENTS (“SRQ”)

Tender Ref. No. NIT/PT- 44/25-26

Date: 10.12.2025

Validate Print Help

Tender Inviting Authority: S.M. Giugno & Sons Limited

Name of Work: Total Work (Implementation of Upgradation Project of our State Drug Control Directorate approved pharmaceutical formulation facility consisting of Oral solid dept., Oral liquid dept., Beta lactum Capsule, Micro biology Lab, Store with HVAC system and clean room facilities as per approved drawing including appropriate new ETP plant in order to comply with revised cGMP schedule as per Gazette notification CG-DL-E05012024-251166 no.736, dt-26.12.23.

Contract No: NIT/RT-44/25-26

Name of the Bidder/ Bidding Firm / Company :	PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)																				
NUMBER # Sl. No.	TEXT # Item Description	CIVIL-DEMOLITION NUMBER #	CIVIL - CONSTRUCTION NUMBER #	PLUMBING NUMBER	CLEAN ROOM PACKAGE NUMBER	LAB FURNITURE NUMBER	FLOORING NUMBER	PU FLOORING NUMBER	EQUIPMENT NUMBER	HVAC NUMBER	VRV NUMBER	RO GENERATION NUMBER	PW GENERATION NUMBER	COMPRESSED AIR NUMBER	STEAM AND AC NUMBER	ELECTRICAL NUMBER	ETP NUMBER	NUMBER # TOTAL AMOUNT Rs. P	NUMBER # TOTAL AMOUNT Rs. P	TEXT # TOTAL AMOUNT In Words	
1	2	7	8	9	16	17	20	21	22	23	26	27	28	29	32	33	34	11	12	13	
1	Total Work Implementation of Upgradation Project of our State Drug Control Directorate approved pharmaceutical formularies facility consisting of Oral solid dept., Oral liquid dept., Beta lactum Capsule, Micro biology Lab, Store with HVAC system and clean room facilities as per approved drawing including construction of new ETP plant in order to comply with revised cGMP schedule as per Gazette notification CG-DL-E0501/2024-251166 no.738. dt.28.12.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	INR Zero Only	
Total in Figures																			0.00	0.00	INR Zero Only
Quoted Rate In Words		INR Zero Only																			

Tender Inviting Authority: FM, Gluconate Health Limited

Name of Work: GENERAL CONSTRUCTION WORK

Contract No: NIT/PT-44/25-26

Name of the Bidder/ Bidding Firm / Company :		PRICE SCHE	
NUMBER #	TEXT #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units
1	2	4	5
1	EXTERNAL PARAPHRAY BRICK WALL & INTERNAL TOILET & STAIRCASE BRICK WALL (including RCC slab, plinth , column, back filling, screeding , footing, etc)((Location : New liquid block ground & 1st Floor, Store GF, GMP Building GF)	1850	SMT
2	ROAD Site grading of the ground and box excavation for roads & cutting in all type of soil to the required reduced levels for the devlopment of the plot & road work inclusive of shoring dewatering where required . The filling to be done in layers not exceeding 230mm thk. to 90% proctor density with vibro mix equip. / 10 ton rollers.Above its 230 mm thick rubble soiling to be carried out with lager followed by 230 mm thick 40 to 63 metal soiling on top of its 100 mm thick murruun / sand with proper compaction p.c.c of 100 mm thick (1 :4:8) ratio , to be followed by 230 mm thick rcc of M20 grade final finish to be done with trimix	1800	SMT
3	PAVER Providing and laying paver blocks of 60mm thk of M25 grade. from approved manufacturer over prepared well compacted sub grade with classic type blocks of approved colour in the pattern specified by Architects over 50mm thick sand cushion laid to the required levels and slopes including vibrocompaction, all leads and lifts etc.,complete.	3000	SMT

Tender Inviting Authority: FM ,Glucconate Health Limited

Name of Work: DEMOLITION WORKS

Contract No: NIT/PT-44/25-26

Name of the Bidder/ Bidding Firm / Company :						
PRICE SCHEDULE						
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling in the Bidder Name and						
NUMBER #	TEXT #	NUMBER #	TEXT #			
Sl. No.	Item Description	Quantity	Units			
1	2	4	5			
1	Demolition of existing brick / block wall -150-300MM at locations as required during execution to accommodate design changes inclusive of lintels/concrete bands if any and making good the damaged areas with cement plaster and carting away all debris away from site to designated locations by vendor . No additional costs shall be payable for leads and lifts. (Location : GMP Tablet, R.M Block,Back side Building-1&2, Beta Block)	4693	SMT			
2	Dismantling, removing and carting away existing doors & door frames at locations as required during execution. (Location : GMP Tablet, R.M Block,Back side Building-1&2, Beta Block)	126	NOS			
3	Dismantling of existing wall cladding/Dado / flooring at locations as required during execution and carting away debris from site. (Location : GMP Tablet, R.M Block,Back side Building-1&2, Beta Block)	6682	SMT			
4	Chipping of existing PCC Floor at locations as required during execution to accommodate new hard flooring and carting away all debris from site. Average thickness of screeding 50-75mm+/-5mm (Location : GMP Tablet, R.M Block,Back side Building-1&2, Beta Block)	6682	SMT			
5	Dismantling/removal of existing gyp / grid ceiling at locations as required during execution to accommodate design changes and carting away all debris away from site. No additional costs shall be payable for leads and lifts (Location : GMP Tablet, R.M Block,Back side Building-1&2, Beta Block)	3300	SMT			
6	Road Dismantling/removal	1000	SMT			
7	Paver Dismantling/removal	2500	SMT			

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Item Rate BoQ

Tender Inviting Authority: FM, Gluconate Health Limited

Name of Work: CLEANROOM

Contract No: NIT/PT-44/25-26

Name of the Bidder/ Bidding Firm / Company :
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PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, etc only)

NUMBER #	TEXT #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units
1	2	4	5
1	CLEAN ROOM AND MODULER PANELING		
1.1	80 MM DOUBLE SKIN WALL PANEL : Providing & fixing double skin partition only puff of 80 mm thickness made with both side powder coated 60-80 microns G.I. sheet of 0.8mm thick - plain surface both sides with out ribs with infilling of puff (44 ± 4kg/cum density), (Conduits shall be considered inside panel and it's rate) (Preferred make : I-clean/Ajni/VK)	2500.000	Sqm

1.2	50 MM DOUBLE SKIN WALL PANEL : Providing & fixing double skin partition only puff of 50 mm thickness made with both side powder coated 60-80 microns G.I. sheet of 0.8mm thick - plain surface both sides with out ribs with infilling of puff (44 ± 4 kg/cum density). (Conduits shall be considered inside panel and it's rate) (Preferred make : I-clean/Ajni/VK)	1800.000	Sqm
1.3	80 MM DOUBLE SKIN WALL PANEL : Providing & fixing double skin partition only ROCKWOOL of 80 mm thickness made with both side powder coated 60-80 microns G.I. sheet of 0.8mm thick - plain surface both sides with out ribs with infilling of puff (Density 96 kg/M3), (Conduits shall be considered inside panel and it's rate) (Preferred make : I-clean/Ajni/VK)	1.000	Sqm
1.4	50 MM DOUBLE SKIN WALL PANEL : Providing & fixing double skin partition only ROCKWOOL of 50 mm thickness made with both side powder coated 60-80 microns G.I. sheet of 0.8mm thick - plain surface both sides with out ribs with infilling of puff (Density 96 kg/M3). (Conduits shall be considered inside panel and it's rate) (Preferred make : I-clean/Ajni/VK)	1.000	Sqm
1.5	50 MM DOUBLE SKIN WALKABLE CEILING PANEL INCLUDING ALL ACCESSORIES FOR FIXING : Providing & fixing double skin partition puff only of 50 mm thickness made with both side powder coated 60-80 microns G.I. sheet of 0.8mm thick - plain surface both sides with out ribs with infilling of puff (44 ± 4 kg/cum density).Cutouts shall be considered inside panel and it's rate) (Preferred make : I-clean/Ajni/VK)	1350.000	Sqm

1.6	50 MM DOUBLE SKIN WALKABLE CEILING PANEL INCLUDING ALL ACCESSORIES FOR FIXING: Providing & fixing double skin partition ROCKWOOL only of 50 mm thickness made with both side powder coated 60-80 microns G.I. sheet of 0.8mm thick - plain surface both sides without ribs with infilling of puff (44 ± 4 kg/cum density). Cutouts shall be considered inside the panel and its rate) (Preferred make : I-clean/Ajni/VK)	1.000	Sqm
1.7	ONE SIDE S.S. 304 + ONE SIDE G.I WALL FLUSH PARTITION (80MM) for wash area/ Providing of 50mm thk. partition. one side 0.80mm S.S. and other side 0.80mm G.I sheet. modular double skin flush partition. With puff (44 ± 4 kg/cum density) insulation. Both the sheets are fixing with 0.80mm G.I. channel with rivet/screw. (G.I. SHEET & S.S. 304)	80.000	Sqm
1.8	ONE SIDE S.S. 304 + ONE SIDE G.I WALL FLUSH PARTITION (50MM) for wash area/ Providing of 50mm thk. partition. one side 0.80mm S.S. and other side 0.80mm G.I sheet. modular double skin flush partition. With puff (44 ± 4 kg/cum density) insulation. Both the sheets are fixing with 0.80mm G.I. channel with rivet/screw. (G.I. SHEET & S.S. 304) (Preferred make : I-clean/Ajni/VK)	80.000	Sqm
1.9	BOTH SIDE S.S. 304 WALL FLUSH PARTITION (80MM) for wash area/ Providing of 50mm thk. partition. one side 0.80mm S.S. and other side 0.80mm G.I sheet. modular double skin flush partition. With puff (44 ± 4 kg/cum density) insulation. Both the sheets are fixing with 0.80mm G.I. channel with rivet/screw. (G.I. SHEET & S.S. 304)(Preferred make : I-clean/Ajni/VK)	1.000	Sqm

1.10	BOTH SIDE S.S. 304 WALL FLUSH PARTITION (50MM) for wash area/ Providing of 50mm thk. partition. one side 0.80mm S.S. and other side 0.80mm G.I sheet. modular double skin flush partition. With puff (44 ± 4kg/cum density) insulation. Both the sheets are fixing with 0.80mm G.I. channel with rivet/screw. (G.I. SHEET & S.S. 304)(Preferred make : I-clean/Ajni/VK)	1.000	Sqm
1.11	ONE SIDE S.S. 304 + ONE SIDE G.I FLUSH WALKABLE CEILING PANEL (50MM)/ Providing of 50mm thk. partition. one side 0.80mm S.S. and other side 0.80mm G.I sheet. modular double skin flush partition. With ROCKWOOL (Density 96 kg/M3) insulation. Both the sheets are fixing with 0.80mm G.I. channel with rivet/screw. (G.I. SHEET & S.S. 304)(Preferred make : I-clean/Ajni/VK)	80.000	Sqm
1.12	Coving for corner Extruded aluminium clip on type R-50 covings for the entire wall to wall and wall to ceiling.	3000.000	Rmt
1.13	Aluminium 3D corners	450.000	Nos
1.14	Aluminium 2D corners	450.000	Nos
1.15	L / C shape flushing - so to cover any unfinished visible part of ceiling and wall panels	350.000	Rmt

2.0	80 MM DOUBLE SKIN PARTITION RETURN AIR RISER PANEL : Providing & fixing double skin partition puff panels of 80 mm thickness made with both sides GI sheets of 0.8 mm - plain surface both sides with out ribs with infilling of \ puf (44 ± 4 kg/cum density). Along with 10 mic filter and damper arrangement to adjust the air suction. The riser panel should be proper inside support to avoid any bending due to load.		
2.1	R1-Riser Size-900X80	110.000	Nos
2.2	R2-Riser Size-650X80	120.000	Nos
2.3	R3-Riser Size-450X80	120.000	Nos
3	DOORS : 50 mm thick doors made with powder coated 0.8 mm thick G.I. sheets on both sides with puff, 1.2 mm thick G.I. door frames, hardware like SS push plate, SS kick plate, SS 'D' handle, SS ball bearing butt hinges, Double glazed view panel of std .size ,concealed flush bolt for double door, door closure etc. (With Door Lock) (Preferred make : I-clean/Ajni/VK)		
3.1	D4 : 750 x 2100 mm single leaf door	145.000	Nos
3.2	D3 : 900 x 2100 mm single leaf door	105.000	Nos
3.3	D2 : 1200 x 2100 mm single leaf door (ONE SIDE SS, ONE SIDE GI)	10.000	Nos
3.4	D2 : 1000 x 2100 mm single leaf door	1.000	Nos

3.5	D2 : 1200 x 2100 mm double leaf door	75.000	Nos
3.6	D0 : 1500 x 2100 mm double leaf door	12.000	Nos
3.7	ED : 1500 x 2100 mm CRUSH PANEL EMERGENCY DOOR	1.000	Nos
4	Individual Door Accessories rate (only rate to be filled)		
4.1	SS Push Plate	1.000	Nos
4.2	SS Kick Plate	1.000	Nos
4.3	SS 'D' Handle	1.000	Nos
4.4	SS ball bearing	1.000	Nos
4.5	Butt Hinges	1.000	Nos
4.6	Door Lock	1.000	Nos
4.7	Door Closer	1.000	Nos
4.8	Door Seal	1.000	Nos
5	VIEW PANELS Double glazed view panels with flush design , with 5mm thick clear glass, VHB tape, of size 1000 x 1000 wide border in black fixed in the partition panel with all necessary arrangements for moisture control etc.(Preferred make : I-clean/Ajni/VK)		

5.1	View Panel For 50 MM Thick Panel	100.000	Nos
5.2	View Panel For 80 MM Thick Panel	100.000	Nos
6	Silicon sealant white for finishing work	1.000	Lot
7	Silicon sealant black for view glass along with accessories	1.000	Lot
8	Wall Cutout for Electrical Switch and others (Extra based on site)	10.000	Nos
9	Ceiling Cutout For HVAC and Electrical (Extra based on site)	10.000	Nos
10	GYPBOARD FALSE CEILING ((Preferred make : Saint Gobin)	2000.000	SqMtr
	Providing, fabricating and fixing of suspended false ceiling consisting of 12.5mm thick Gypsum plaster board suspended on GI framework with staggered joints. GI framework to consist of GI perimeter channels 0.55mm thick, having One Flange of 20mm and another flange of 30mm and a web of 27mm, along perimeter of false ceiling of ceiling, screw fixed to wall / partition with nylon sleeves and screws @ 600mm c/c. Suspending GI intermediate channels of size 0.9mm thick 45mm x 15mm from the soffit at max dist 1220mm c/c with ceiling angle 0.55mm thick 25mm x 10mm fixed to soffit using proprietary supplied GI cleats and steel expansion fasteners.		
	Ceiling section 0.55mm thick web size 51.5mm and flanges 26mm each and 10.5mm lips are fixed perpendicular to intermediate channel @ 457mm c/c using connecting clips.		

	12.5mm thk. tapered gypsum plasterboard (IS 2095-1982) is screw fixed to ceiling section with 25mm drywall screws @ 230mm c/c. Boards to be finished with proprietary supplied jointing tape and jointing compound and sand papered to achieve a smooth and seamless finish. and 2 coats of primer suitable for plasterboard applied and two coats of Arcylic emulsion paint to be applied as per manufacturer specification.		
	Rate quoted to include vertical drops of 250mm and all cut-outs required for light fixtures, smoke detectors and other services cut-outs complete as directed by Architect. (Vendor to account for additional supports as required).		
	Rate quoted to include cost of providing support framework formed of perimeter channels for fixing light fixtures, AC grills / diffusers etc., Also to provide concealed perimeter channel support as required to support modular grid ceiling sections at junction between gypboard false ceiling and modular grid tile ceiling.		
10.1	TRAP DOORS		
	Providing and fixing Modular Trap door on false ceiling of KNAUF ALTOF of approved or Equivalent of below sizes as manufactures specifications.		
	Size 600X600	7.000	Nos

Item

Tender Inviting Authority: FM , Gluconate Health Limited

Name of Work: COMPRESSED AIR PIPE & Accessories fittings

Contract No: NIT/PT-44/25-26

Name of the Bidder/ Bidding Firm / Company :	
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NUMBER #	TEXT #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units
1	2	4	5
I	BILL OF QUANTITIES OF COMPRESSED AIR PIPING & ACCESSORIES		
1	SS Pipes : ASTM 304, ERW , Sch 10s / Dimension Suitability to ANSI B36.19	300.000	Mtr
		200.000	Mtr
		300.000	Mtr
2	SS Flange : SS 304, Slip on type, Serrated Finish, Raised face, Dimensional Suitability to ANSI B 16.5, Pressure Rating : ASA # 150 Make : STANDARD	1.000	Nos
		1.000	Nos
		24.000	Nos
3	Elbows 90 o- Long radius (R-1.5D) : SS 304 90o Elbows, material to A234 Grade WPB, Sch.10 Dimensional suitability to ANSI B 16.9 Ends to be Butt weld type	180.000	Nos
		120.000	Nos
		50.000	Nos
4	Gaskets : Ring Cut Metalic Gasket, Suitable for insertion between ANSI B 16.5, Raised face ASA 150 # Flange	1.000	Nos
		1.000	Nos
		24.000	Nos
5	Ball valve : Ball valve : SS304 Ball Valves with SS 304 working parts, three-piece design, PTFE Seat,full bore, Screwed ends to BSPT. 15NB to 25NB Screwed end.25NB ABOVE Flanged ends,	15.000	Nos
		20.000	Nos
		10.000	Nos

6	SS Ball Valve : SS 304 / Seal PTFE / TC End	105.000	Nos
8	T.C.Union : T.C.Liner - 02 Pcs: SS 316L /Sch 10 / Externally & Internally Mirror polish / T.C.Clamp: 01 Pcs : SS 304 /Casted / Externally mirror Polish / T.C.Gasket : - 01 Pcs Silicon Food Grade	200.000	Set
9	Pipe Holding Clamp Assembly : SS 304 (1 No. SS 304 Pipe Holding Clamp with 3" Long nipple, base plate, 2 No. anchor fastners	200.000	Nos
10	Nuts & Bolts : SA 240, SS-304 bolts, fully threaded with Hexagonal Nuts & A Pair of Washers	0.000	Set
		200.000	Set
			Set
11	Pressure Guage, Bourden type : Dial 100mm, Pressure Range : 0-10kg/cm ² With Syphon & Cock.	2.000	Nos
12	0.2 Micron filter with ss housing	70.000	Nos
13	Fabrication & erection of welded supporting structure like platform for equipments, railings, ladders etc. as per site condition, fabricated out of MS angles, Channels, flats, plates section, & pipes etc and fixing of the same by anchor bolts or grouting as required.	2000.000	KG
II	INSTALLATION WORK		
1	LAYING OF PIPE FIXING CHARGES	300.000	Mtr
		200.000	Mtr
		300.000	Mtr
2	JOINT PREPRATION CHARGES-MANUAL WELDING	180.000	NOS
		60.000	Nos
		50.000	Nos
3	Pnumatic/Hydrotest charges	1.000	Time
4	Documentation charges	1.000	Time

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Item Rate BoQ

Tender Inviting Authority: FM, Gluconate Health Limited

Name of Work: ELECTRICAL WORK

Contract No: NIT/PT-44/25-26

Name of the Bidder/ Bidding Firm / Company :	
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PRICE SCHEDULE

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NUMBER #	TEXT #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units
1	2	4	5
	Annexure A		
A.	<u>H.T. SWITCH YARD WITH TRANSFORMER INSATLLATION</u>		
	All the system shall be as per dwg & specifications and as per IE rules.		
A.1	Complete liaisoning work with state Electricity Board /Electricity directorate including preparation & submission dwg/papers as per rules of state and Electricity Board regulations, follow up & getting the approval for installation, Sanction of power & connection complete work to be arranged in a manner so as to get the system energised by electricity supply agency and approved by the electrical inspector in time schedule. The job shall comprise of complete liaisoning work for power.	1	L.S
A.2	Supply, Loading, Unloading, Shifting, Installation, Testing & Commissioning of 11kV HT VCB Panel - Outdoor [1No.800A VCB Incomer &1Nos. 800A (26.3KA for 1 Sec.) Outgoing With Cable In/ Cable Out] With All Metering & Protection Release, Transformer Protection Relays, Power Pack, Annunciation, Accessories etc.	1	No's

A.3	Supply, Loading, Unloading, Shifting, Installation, Testing & Commissioning of 1000KVA ,11KV/ 0.433KV , 3 Phase, 50 Hz Oil type copper wound transformer . The electrical contractor shall execute all work of interconnection of transformer. The Transformer is with OLTC and installation, testing & commissioning of RTCC panel shall be a part of the scope of work of bidder.	1	No's
A.4	Supply, Loading, Unloading, shifting, Installation, testing & commissioning of a 500 KVA , 415V, 3 Phase, 50 Hz DG Set With AMF Panel and exhaust system / chimany. The electrical contractor shall execute all work of interconnection of DG Sets (Alternator) to AMF/ Snch. Panel.	1	No's
A.5	<u>SAFETY EQUIPMENTS.</u>		
A.5.1	Supply & Fixing of Caution Boards.	2	No's
A.5.2	Supply & Fixing of Shock Treatment Chart in English & Hindi Language fixed on Ply & covered with 3mm thick plain glass.	2	No's
A.5.3	Supply of 11KV hand gloves duly tested.	2	Pair
A.5.4	Supply of 11KV DO Isolator Rod.	1	No.
A.5.5	Supply of Filled First Aid box complete with all standard medicines as per I.E rules.	2	No.
A.5.6	Supply & Fixing of HT 6mm (2m x 1m) Rubber Mat for 11KV	5	No's
A.5.7	Supply, Filling & fixing of following type of fire extinguishers in electrical room		
	a) CO2 type fire extinguisher 5 kg	3	No.
	b). Dry Powder type 5 Kg.	3	No.
A.5.8	Supply & Filling & fixing of following type of safety items in electrical room		
	a). Sand bucket stand with 5 nos. MS. Buckets.	2	Set
	<u>Annexure B</u>		
B.	<u>LT PANELS & DIST. BOARD</u>		
B.1	<u>L.T. PANELS</u>		

	Supply, Loading, Unloading, Shifting at respective floor, Alignment, Installation, Grouting, Levelling, Interconnection of Shipping Section, matching of each section, & commissioning of Free Standing Floor Mounted Panel as per Panel Location Layout.		
B.1.1	LT PCC Panel (As per Drg no.)	1	No.
B.1.2	UTILITY PANEL (As per Drg no.)	1	No.
B.1.3	PROCESS PANEL (General Tablet,Beta RM,PPM,Bottle Line//PPM) (As per Drg no.)	3	No.
B.1.4	PDB PANEL (General Tablet,Beta RM,PPM,Bottle Line//PPM) (As per Drg no.)	3	No.
B.1.5	HVAC PANEL (General Tablet,Beta RM,PPM,Bottle Line//PPM) (As per Drg no.)	3	No.
B.1.6	MLDB PANEL (General Tablet,Beta RM,PPM,Bottle Line//PPM) (As per Drg no.)	4	No.
B.1.7	UPS PANEL (General Tablet,Beta RM,PPM,Bottle Line//PPM) (As per Drg no.)	3	No.
B.1.9	APFCR PANEL (As per Drg no.)	1	No.
B.1.10	EXTERNAL LIGHT PANEL (As per Drg no.)	1	No.
B.2	DISTRIBUTION BOARDS.		
	Supply, Loading, Unloading, Shifting, Levelling, Installation, Testing & Commissioning of following Distribution boards shall be of wall mounted type to be concealed in wall and shall have top cover plate as per detail given in the dwg.		
B.2.1	PSDBs_(3-Ph) 12 Way	4	No.
B.2.2	PSDBs_(1-Ph) 12 Way IP-43 Protection, Double Door Type Incomer : 63A TPN MCB Sub Incomer/Phase : 63A DP RCBO (30mA) Outgoing : 24Nos (8 per Phase). 16A SP MCB, C Curve (General Tablet,Beta RM,PPM,Bottle Line//PPM),Raw Material)	8	No.

B.2.3	PSDBs_(1-Ph) 6 Way	1	No.
B.2.4	UPSDBs_(1-Ph) 8 Way IP-43 Protection, Double Door Type Incomer : 63A TPN MCB Sub Incomer/Phase : 32A DP RCBO (300mA) Outgoing : 18Nos (6 per Phase). 25A SP MCB, 10KA, B Curve	8	No.
B.2.5	LSDBs- 8 Way IP-43 Protection, Double Door Type Incomer : 63A TPN MCB Sub Incomer/Phase : 32A DP RCBO (100mA) Outgoing : 24Nos (8 No. / Phase). 16A SP MCB, 10KA, B Curve	8	No.
B.2.5	ELDBs- 8 Way IP-43 Protection, Double Door Type Incomer : 32A TPN MCB Sub Incomer/Phase : 25A DP RCBO (100mA) Outgoing : 12Nos (4 No./ Phase). 10A SP MCB, 10KA, B Curve	8	No.
	Annexure C		
C.	<u>CABLING & TERMINATION</u>		
C.1	Laying of cables in Excavated Trenches, Concrete Trenches, along walls, through hume pipes, Conduit, Floor Race Way, Cable Trays etc. The scope includes supply & fixing of aluminium cable tags (at both ends). Clamps/ saddles hardware for dressing of cables are included in the scope of contractors. Jot to be done as per drawing, specifications & instructions of consultants.		

C1.1	Supplying & Laying of 1.1KV Grade XLPE Insulated power cable of Stranded compacted shaped Aluminium conductors, provided with a common covering of PVC inner sheath as per IS : 7098 (Part - I), Galvanized steel armoured and PVC outer sheathed of type ST2 PVC compound Confirming to IS: 5831. (Flame Retardant (FR), Flame Retardant Low Smoke (FRLS), to suit a variety of environment and fire risk condition). Type A2XFY/ A2XWY :		
a	1C x 1000 Sq.mm	1	Mtr.
b	3.5C x 300 Sq.mm	1800	Mtr.
c	3.5C x 240 Sq.mm	1	Mtr.
d	3.5C x 185 Sq.mm	700	Mtr.
e	3.5C x 150 Sq.mm	1	Mtr.
f	3C x 150 Sq.mm	1	Mtr.
g	3.5C x 120 Sq.mm	400	Mtr.
h	3C x 120 Sq.mm	1	Mtr.
i	3.5C x 95 Sq.mm	1	Mtr.
j	3C x 95 Sq.mm	1	Mtr.
k	3.5C x 70 Sq.mm	1100	Mtr.
l	3C x 70 Sq.mm	1	Mtr.
m	3.5C x 50 Sq.mm	1	Mtr.
n	3C x 50 Sq.mm	1	Mtr.
o	3.5C x 35 Sq.mm	950	Mtr.
p	3C x 35 Sq.mm	1	Mtr.
q	3.5C x 25 Sq.mm	1	Mtr.
r	3C x 25 Sq.mm	1	Mtr.
s	4C x 16 Sq.mm	1700	Mtr.

t	3C x 16 Sq.mm	1	Mtr.
C1.2	1.1KV Grade XLPE Insulated power cable of Stranded compacted shaped Copper conductors, provided with a common covering of PVC inner sheath as per IS : 7098 (Part - I), Galvanized steel armoured and PVC outer sheathed of type ST2 PVC compound Confirming to IS: 5831. (Flame Retardant (FR), Flame Retardant Low Smoke (FRLS), to suit a variety of environment and fire risk condition). Type 2XWY/2XFY :		
a	4C x 10 Sq.mm	1700	Mtr.
b	3C x 10 Sq.mm	1	Mtr.
c	4C x 6 Sq.mm	1300	Mtr.
d	3C x 6 Sq.mm	1	Mtr.
e	4C x 4 Sq.mm	2100	Mtr.
f	3C x 4 Sq.mm	1	Mtr.
g	4C x 2.5 Sq.mm	1650	Mtr.
h	3C x 2.5 Sq.mm	1	Mtr.
i	4C x 1.5 Sq.mm	1	Mtr.
j	3C x 1.5 Sq.mm	1	Mtr.
C.1.3	1.1KV Grade HR PVC control cable (multi core with multi colour), Circular stranded (rm) annealed stranded Copper Conductor PVC insulated and provided with a common covering of PVC inner sheath, Un-armoured and overall PVC sheathed of type ST2 PVC compound flexible Confirming to IS: 1554 (Part - I) – 1988 (Flame Retardant (FR), Flame retardant Low Smoke (FRLS), to suit a variety of environment and fire risk condition). Type YY :		
a	3C x 2.5 Sqmm PVC Cu.- For Control	500	Mtr.
b	7C x 2.5 Sqmm PVC Cu.- For Control	1	Mtr.
c	12C x 2.5 Sqmm PVC Cu.- For Control	1	Mtr.
d	24C x 2.5 Sqmm PVC Cu.- For Control	80	Mtr.

C.2	TERMINATION KITS		
C.2.1	Supply & Installation of Single Compression Type Cable Glands, Cable Lugs, heat shrinkable sleeves on long ends, crimping paste etc. the work includes testing & commissioning of cables, meggering values & submitting reports of tests. One set includes termination of all cores of one end only.		
a	1C x 1000 Sqmm A2XFY	1	No's
b	3.5C x 300 Sqmm A2XFY	40	No's
c	3.5C x 240 Sqmm A2XFY	1	No's
d	3.5C x 185 Sqmm A2XFY	6	No's
e	3.5C x 150 Sqmm A2XFY	1	No's
f	3C x 150 Sqmm A2XFY	1	No's
g	3.5C x 120 Sqmm A2XFY	6	No's
h	3C x 120 Sqmm A2XFY	1	No's
i	3.5C x 95 Sqmm A2XFY	1	No's
j	3C x 95 Sqmm A2XFY	1	No's
k	3.5C x 70 Sqmm A2XFY	24	No's
l	3C x 70 Sqmm A2XFY	1	No's
m	3.5C x 50 Sqmm A2XFY	1	No's
n	3C x 50 Sqmm A2XFY	1	No's
o	3.5C x 35 Sqmm A2XFY	30	No's
p	3C x 35 Sqmm A2XFY	1	No's
q	3.5C x 25 Sqmm A2XFY	1	No's
r	3C x 25 Sqmm A2XFY	1	No's
s	4C x 16 Sqmm A2XFY	1	No's

t	3C x 16 Sqmm A2XFY	1	No's
u	4C x 10 Sqmm 2XWY	80	No's
v	3C x 10 Sqmm 2XWY	1	No's
w	4C x 6 Sqmm 2XWY	40	No's
x	3C x 6 Sqmm 2XWY	1	No's
y	4C x 4 Sqmm 2XWY	48	No's
z	3C x 4 Sqmm 2XWY	1	No's
aa	4C x 2.5 Sqmm 2XWY	50	No's
ab	3C x 2.5 Sqmm 2XWY	1	No's
ac	4C x 1.5 Sqmm 2XWY	1	No's
ad	3C x 1.5 Sqmm 2XWY	1	No's
ae	3C x 2.5 Sqmm PVC Cu.- For Control	20	No's
af	7C x 2.5 Sqmm PVC Cu.- For Control	1	No's
ag	12C x 2.5 Sqmm PVC Cu.- For Control	1	No's
ah	24C x 2.5 Sqmm PVC Cu.- For Control	20	No's
C.2.3	Supplying & Laying of 11KV Grade (UE) XLPE Cable, Conductor of stranded Aluminium Wires, Conductor Screened by a layer of semi conducting compound cross linked polyethylene XLPE insulated (with latest technology of triple extrusion using single cross head extrusion technique and dry cure process), insulation screened by a layer of semi-conducting compound. Followed by a layer of Non magnetic copper tape, cores laid up, insulation thickness shall be minimum 3.6mm, hollow filter as required, taped PVC inner sheathed, Aluminium strip armoured for 1 core and galvanized steel strip armoured for 3 core. Overall extruded PVC (type ST2) outer sheath conforming to IS (IS : 8130 -1984) Standard of following :		
a	3C x 240Sqmm 11KV Earthed / Unearthed Al. Armoured XLPE cable	50	Mtr

C.2.4	Supply & Installation of Termination Kits Suitable for above Cables		
a	Indoor Type Kit	3	No's
b	Outdoor Type Kit	1	No's
Annexure D			
D.	<u>LIGHT FIXTURES</u>		
	Supply, Installation, Testing & Commissioning of Lighting Fixtures. All fixtures should be complete with all accessories such as Lamps, Drivers, Heat Sink etc.		
D.1.1	Surface/ Slab Mounted Industrial Light fittings complete with all accessories, lamps, Driver, Heat Sink etc. including GI chain for hanging the fixtures wherever it is suspended type.		
a.	2x18W LED Fitting - Industrial Type- 1.5 mtr. Suspended Accessories/ Hanging Arrangement (Hanging Arrangement shall be in contractor scope) .	1	No's
b.	2x18W LED Fitting - Industrial Type	1	No's
c.	1x18W LED Fitting - Industrial Type	100	No's
D.1.2	Surface Mounted Luminaire complete with all accessories, lamps, Driver, Heat Sink etc. suitable for following		
a.	60W LED Fitting	1	No's
b.	34W LED Fitting	1	No's
c.	18W LED Fitting	1	No's
d.	80W LED Medium Bay Fitting - False Ceiling/ Suspended	1	No's
e.	65W LED Low Bay Fitting - Suspended	1	No's
f.	165W LED Medium Bay Fitting - Surface Mounted/Suspended Type	1	No's
g.	18W LED Decorative Porch Light	1	No's
D.1.3	Square General Fixtures, Recess/ False Ceiling Mounted Bottom Opening Fixture, CRCA Powder Coated Frame & Cover, Polycarbonate Diffuser, Acrylic Cover, Complete with Driver, Heat Sink, Internal Wiring etc.		

a.	45W LED Fitting	67	No's
b.	36W LED Fitting	1	No's
c.	24W LED Fitting	115	No's
d.	36W LED Fitting (Decorative Fixture)	1	No's
D.1.4	Square Clean Room Fixture, Recess/ False Ceiling Mounted Bottom Opening Fixture, CRCA Powder Coated Frame & Cover, Polycarbonate Diffuser, Acrylic Cover, Complete with Driver, Heat Sink, Internal Wiring etc.		
a.	60W LED Fitting	1	No's
b.	45W LED Fitting	55	No's
c.	30W LED Fitting	1	No's
d.	24W LED Fitting	310	No's
e.	70W/ Equ. SV Lamp Stand Mounted	1	No's
f.	2x20W Flame Proof Fitting	10	No's
D.1.5	Square Clean Room Fixture, Panel Mounted Top Opening Fixture, CRCA Powder Coated Frame & Cover, Polycarbonate Diffuser, Complete with Driver, Heat Sink, Internal Wiring etc.		
a.	60W LED Fitting	1	No's
b.	42W LED Fitting	1	No's
c.	30W LED Fitting	1	No's
d.	18W LED Fitting	1	No's
e.	70W/ Equ. SV Lamp Stand Mounted	1	No's
f.	2x20W Flame Proof Fitting	1	No's
g.	2x30W Flame Proof Fitting	1	No's

D.1.7	Panel Mounted TOP opening cleanroom 45w Dual Color LED Fixture (45w White + 45w monochromatic yellow) suitable for classified area with housing and top cover manufactured with CRCA sheet, finished with powder coating with necessary Non-Hygroscopic gasket with bottom side lighting grade high output efficiency diffuser with inside high efficiency LEDs mounted on MCPCB with high efficiency LED driver wired upto end terminal with Loop-In Loop-Out Connector with top side additional walkable top cover with necessary Non-Hygroscopic gasket.(NON FLAMEPROOF)	50	No's
D.1.8	Panel Mounted TOP opening cleanroom 45w Dual Color LED Fixture (45w White + 45w monochromatic yellow) suitable for classified area with housing and top cover manufactured with CRCA sheet, finished with powder coating with necessary Non-Hygroscopic gasket with bottom side lighting grade high output efficiency diffuser with inside high efficiency LEDs mounted on MCPCB with high efficiency LED driver wired upto end terminal with Loop-In Loop-Out Connector with top side additional walkable top cover with necessary Non-Hygroscopic gasket.(FLAMEPROOF)	30	No's
D.2	STREET/ FLOOD / OTHER EXTERNAL LIGHTING		
D.2.1	Supply, Installation, Testing & Commissioning of Hot Dip Galvanised Octagonal Street Light Pole of height 9.0mtr. (overall) with base plate of 260x260x16mm along with accessories like one 10A SPN MCB & 4 way 25A connector for R, Y, B & N phases Flexible cable from MCB to fixture shall be in contractor scope of supply. The scope include all associated civil work & providing pipe electrode (2000 mm Long) Earthing Coil for each pole and two nos. 8 SWG G.I. conductor shall be connected to the pole. Street light fixture.	30	Nos.
D.2.2	120W LED Fittings for Street Lighting	1	Nos.
D.2.3	90W LED Fittings for Street Lighting	30	Nos.
D.2.4	35W LED Fittings for Street Lighting (Cantiliver Support)	1	Nos.
D.2.5	150W LED Flood Fittings	1	Nos.
D.2.6	90W LED Flood Fittings	20	Nos.
D.2.7	10W LED Post Top Lanterns	6	Nos.

D.2.8	9W LED Bollards Lamps	40	Nos.
	Annexure E		
1E.	<u>LIGHT /POWER WIRING</u> (CONCEALED /EXPOSED)		
1E.1	POINT WIRING FOR LIGHTING		
	Wiring of light points/ Fan points / 6A socket outlets etc. using hard PVC Heavy duty conduit with all conduit accessories like heavy duty junction boxes, conduit bends, pull boxes, with covers etc. The work scope cover conduiting system on wall, trusses, in racks, or concealed piping including wall chiselling, laying of conduits during slab casting, installation of conduits in wall with GI staples/ saddles etc. included in scope of contractor.		
	All conduit accessories will be of threaded type & tools & consumables like hacksaw blades, threading dyes etc. to be arranged by contractor. Complete work has to be executed strictly as per drawing and specifications to ensure good aesthetics, line & level. The conduit shall be fixed in wall /slab at every 450 mm distance by saddles.		
1E1.1	Light point wiring using 2 Nos 1 sq.mm 1.1kv grade FRLS for phase and Nutral and 1 Nos 1 sq.mm for earthing including termination at both ends.		
a.	1 light fitting controlled by 1 No. 6A Switch (Approx. Length 8Mtr.)	280	No's
b.	2 light fittings controlled by 1 No. 6A Switch (Approx. Length 13Mtr.)	170	No's
c.	3 light fittings controlled by 1 No. 6A Switch (Approx. Length 18Mtr.)	40	No's
d.	4 light fittings controlled by 1 No. 6A Switch (Approx. Length 23Mtr.)	10	No's
e.	5 light fittings controlled by 1 No. 6A Switch (Approx. Length 28Mtr.)	4	No's
f.	6 light fittings controlled by 1 No. 6A Switch (Approx. Length 33Mtr.)	1	No's
g.	Electronic Fan Regulator (Step Type) (Approx. Length 8Mtr.)	1	No's
h.	2 Way Control Wiring (Approx. Length 15Mtr.)	25	No's
1E.2	<u>CIRCUIT WIRING/MAINS WIRING</u> (CONCEALED/EXPOSED)		

	Supply, Installation & Commissioning for Circuit Wiring from LDB to SB/PB, SB/PB to SB/PB & Power DB to Power socket outlets etc. using below mentioned Cu. Cable/ Wire. in Cable Tray / Race Way/ Hard PVC heavy duty conduits wherever as applicable with all accessories like, connectors, pull boxes, with covers etc.		
	The work scope cover work on wall, trusses, in racks, or concealed including wall chiselling in wall with GI staples/ saddles etc. included in scope of contractor. Tools & Consumables required for this installation shall be arranged by contractor. The conduit shall be provided with GI saddles at every 450mm distance. Complete work has to be executed strictly as per drawing & specifications to ensure work as per standard aesthetics. Line & Level.		
1E.2.1	2 Nos 2.5 sq.mm 1.1kv grade FRLS flexible wires for phase and nutral and 1 Nos 1.5 sq.mm wire for earthing including Termination at both ends. (For LDBs to SBs, DBs to Power Boards, Power Boards to Power Boards).	12000	Mtr
1E.2.2	2 Nos 4 sq.mm 1.1kv grade FRLS flexible wires for phase and nutral and 1 Nos 2.5 sq.mm wire for earthing including Termination at both ends. (DBs to Single Phase Industrial Socket, Industrial Socket to Socket).	600	Mtr
1E.2.3	4 Nos 6 sq.mm 1.1kv grade FRLS flexible wires for phase and nutral and 1 Nos 4 sq.mm wire for earthing Cable including Termination at both ends. (DBs to Three Phase Industrial Socket, Three Phase Industrial Socket to Socket).	1000	Mtr
1E.2.4	3C x 4 Sq.mm Cu.Arm FR Cable including Termination at both ends. (For LDBs to SBs, DBs to Power Boards, Power Boards to Power Boards, DBs to Single Phase Industrial Socket) Flame Proof.	500	Mtr
1E.2.5	5C x 6 Sq.mm Cu.Arm FR Cable including Termination at both ends. (DBs to Three Phase Industrial Socket, Three Phase Industrial Socket to Socket) Flame Proof.	500	Mtr
2E.	<u>Lighting Switch Boards.</u>		
	Supply, Installation, Testing & Commissioning of Switch Boards in Sheet Metal Housing and consisting of modular plate type ingredients e.g. Switches, plug sockets etc. as detailed in individual Switch Board drawing. The board may be concealed in wall or exposed mounted on wall, Concealed in CRP.		
2E.1	Switch Boards Consisting of 6A Switches/ 2 Way Switch/ Fan Regulator (As per Switch Boards Details drawing) and having Rear / Normal Top Cover plate as detailed below:-		

2E.1.1	1 No's 6A Switches in 1 Module Box	280	No's
2E.1.2	2 No's 6A Switches in 2 Module Box	170	No's
2E.1.3	4 No's 6A Switches in 4 Module Box	40	No's
2E.1.4	6 No's 6A Switches in 6 Module Box	10	No's
2E.1.5	8 No's 6A Switches in 8 Module Box	4	No's
2E.1.6	10 No's 6A Switches in 10 Module Box	1	No's
2E.1.7	12 No's 6A Switches in 12 Module Box	1	No's
2E.2	Switch Boards Consisting of 6A RotarySwitches (As per Switch Boards Details drawing) and having Rear / Normal Top Cover plate as detailed below:- (FLAMEPROOF)		
2E.2.1	1 No's 6A Switches in 1 Module Box	1	No's
2E.2.2	2 No's 6A Switches in 2 Module Box	1	No's
2E.2.3	4 No's 6A Switches in 4 Module Box	1	No's
3E.	<u>Power ,Outlets And Accessories.</u>		
	Supply, Installation, Testing and Commissioning of power outlet , Plug boards/ switch boards in sheet metal housing and consisting of components as details given in Power Layouts. The board shall consist of components of approved make and type with fixing in wall etc. as per drawing & specifications. The box shall be fixed at site by grouting in or fixing on walls.		
3E.1	Power Boards consisting of 1 No 5 pin 16A Power Socket with 1No. 16A Switch. Modular Boards with CRCA Box, rear plates & polycarbonate front plate/ Cover & all other required accessories.	450	No.'s
3E.2	PC Boards consisting of 3 No's 6A Power Socket with 1No. 16A Switch. Modular Boards with CRCA Box, rear plates & polycarbonate front plate/ Cover & all other required accessories.	50	No.'s
3E.3	1Ph Industrial Plug Boards consisting of 20A SPN RCBO & 20A SPN & E Industrial Socket & Plug. (With Normal Top Cover), Suitable for Flush Mounting at 80mm Panel.	15	No.'s

3E.4	3Ph Industrial Plug Boards consisting of 32A TPN RCBO & 32A TPN & E Industrial Socket & Plug. (With SS Plate & SS Door Plate) Suitable for Flush Mounting at 80mm Panel.	10	No.'s
3E.5	1Ph Flame proof Industrial Plug Boards consisting of 16A SPN& E Industrial Socket & Plug with inbuilt Rotary Switch. (With Double door Arrangement)	10	No.'s
3E.6	3Ph Flame Proof Industrial Plug boards consisting of 32A TPN & E Industrial Plug Socket with inbuilt Rotary Switch. (With Double door Arrangement)	10	No.'s
3E.7	Modular Type AC Push Button Starter (With Normal Top Cover)	1	No.'s
3E.8	Modular Type AC Push Button Starter (With SS Top Cover)	1	No.'s
	Annexure F		
F.	<u>CABLE TRAY / CONDUTING / RACE WAY / SUPPORT</u>		
F.1.1	Supply and Installation of Hot Dipped Galavanised Ladder Type Tray 2.5 mm thick Cable trays of following sizes.		
a	1000 x 100mm	1	Mtr
b	750 x 100mm	1	Mtr
c	600 x 100mm	100	Mtr
F.1.2	Supply and Installation of Hot Dipped Galavanised Perforated Type Tray 2.0 mm thick Cable trays of following sizes.		
a	600 x 75mm	1	Mtr
b	450 x 75mm	100	Mtr
c	300 x 50mm	800	Mtr
d	200 x 50mm	320	Mtr
e	150 x 25mm	560	Mtr
f	50 x 50mm	300	Mtr
F.1.3	Supply & Installation of Hard PVC Heavy Duty Conduit with accessories like heavy duty pull boxes with covers, GI saddles, bends, etc. in wall, ceiling etc. (If extra required)		

a	19mm Dia Conduit.	1	Mtr.
b	25mm Dia Conduit.	2500	Mtr.
c	32mm Dia Conduit.	1	Mtr.
d	40mm Dia Conduit.	1	Mtr.
F.1.4	Supply & Installation of following Type G.I. Floor Raceway		
a	225mm Width x 75mm Height in Three Compartment	1	Mtr.
b	225mm Width x 75mm Height in Two Compartment	1	Mtr.
c	100mm Width x 75mm Height in Single Compartment	1	Mtr.
d	50mm Width x 25mm Height in Single Compartment	1	Mtr.
F.1.5	Supply & Installation of following Type PVC Floor Raceway		
a	225mm Width x 25mm Height in Three Compartment	1	Mtr.
b	150mm Width x 25mm Height with Two Compartment	1	Mtr.
c	75mm Width x 25mm Height in Single Compartment	1	Mtr.
F.1.6	Supply & Installation of following Race Way Junction Box with Adjustable Height & Metal Cover		
a	150 x 150 x 65-90mm	1	Mtr.
b	225 x 225 x 65-90mm	1	Mtr.
F.1.7	Excavation in Soil as per drawing & specifications for preparing cable trenches in ground. The job includes spreading of sand & laying of bricks (to be supplied by client) as per drawing.	400	CUB.MTR
F.1.8	Fabrication /erection of cable tray supports/ Clamps from M.S. equal angle and strips as per drawing and specifications. Work also includes arranging consumables, grinding / filling of all welded joints, painting with one coat of anticorrosive paint & 2 coat of approved colour Synthetic enamel paint.	1200	Kgs.
F.1.9	Chipping of Cement hollo block wall , slab , beam (50 mm x 50 mm) etc. installation of pipes/cables and making good the surface as required. This item shall be applicable for concealed cabling.		

a.	Chasing of Cement / Brick Wall	1	Mtr.
b.	Chasing of RCC wall	1	Mtr.
	Annexure G		
G.	<u>EARTHING</u>		
G.1	EARTH STATIONS		
G.1.1	Supply & Installation of Maintenance free Chemical earthing of Dual electrode base strip in technology. 3mtr. long with Outer dia. of 77-80mm dia of 80-120 micron galvanization and wall thickness of pipe. Insider Strip 50 *10mm, strip should be welded & connected at both end cap of pipe. Earthing electrode to be filled & compressed with the highly conductive non corrosive graphite based compound material with sealing at both end with lead terminals of 65X5 mm at top. Along with the 50Kg of earth enhancing compound (natural minerals like silica, Alumina, iron, calcium, carbon).. The Chemical compound should be tested and certified by BIS accredited laboratory. Ph value should be 7.5. The earth pits shall have a test ling for checking of earth values. This includes supply & fixing of watering pipe & strip 65X5 mm brought out up to ground level. [Earthong Should be tested for short circuit current rating of 40kA for 1 Sec. from approved laboratory. As per IS 3043.	22	Nos.
G.1.2	Supply & Installation of Maintenance free Chemical earthing of Dual electrode base strip in technology. 3mtr. long with Outer dia. of 77-80mm dia of 250 micron Copper bonded and wall thickness of pipe. Insider cu. bonded Strip 50 *10mm, strip should be welded & connected at both end cap of pipe. Earthing electrode to be filled & compressed with the highly conductive non corrosive graphite based compound material with sealing at both end with lead terminals of 50X10 mm at top. Along with the 50Kg of earth enhancing compound (natural minerals like silica, Alumina, iron, calcium, carbon). The Chemical compound should be tested and certified by BIS accredited laboratory. Ph value should be 7.5. The earth pits shall have a test ling for checking of earth values. This includes supply & fixing of watering pipe & strip 65X5 mm brought out up to ground level. [Earthong Should be tested for short circuit current rating of 40kA for 1 Sec. from approved laboratory. As per IS 3043.	10	Nos.

G.2	G.I Strip /Wire Earthing		
	Supply & laying of Hot Dipped G.I. (80 micron) earthing strip/wire.		
G.2.1	65 x 5 mm GI Strip (For Main Earthing Grid)	400	Mtr.
G.2.2	50 x 5 mm GI Strip (For Tapping, HT / Trafo Body/ 750& 600 Tray)	160	Mtr.
G.2.3	40 x 5mm GI Strip (For Tapping on Panel/ Equipment / 450 Tray)	400	Mtr.
G.2.4	25 x 6mm GI Strip (For Tapping on Panel/ Equipment / =<300 Tray)	2000	Mtr.
G.2.5	8 SWG Bare GI Wire	150	Mtr.
G.2.6	10 SWG Bare GI. Wire	150	Mtr.
G.3	Supply & Laying of EC GRADE 'CU' Strip /Earthing Wire. Including fixing at equipment end (with Insulators & other required hard wares)		
G.3.1	50 x 5 mm Cu Strip (For Neutral / Electronic Earthing Grid)	60	Mtr.
G.3.2	40 x 5 mm Cu Strip	1	Mtr.
G.3.3	25 x 3mm Cu Strip (For Tapping of Neutral/Static/Electronic Earthing)	80	Mtr.
G.4	Supply and Installation of Earth Tag Box with 4 Nos. of Earthing Stud (10 mm dia and MOC SS 304). The Earthing Strip shall be housed in enclosure. The enclosure and front cover plate shall be made from SS 304. The whole assembly shall be concealed in such a way that the SS 304 front cover plate is properly aligned & flush with the SS 304 Box. The SS 304 Cover Plate and enclosure shall be matt finish. The erection rates shall include fixing of enclosures on surface of wall. Complete with 4.0 Sqmm Flexible wire 10.0 Mtr with both side crocodile clamp	1	Nos.
G.5	<u>ELECTRONIC EARTHING</u>		
G.5.1	Supply, Installation, Testing & Commissioning of 2Nos. 10 Sqmm copper insulated Flexible Wire in M.S.conduit from Earthing Grid to junction box for Electronic Earthing.	200	Mtr.
G.5.2	Supply, Installation, Testing & Commissioning of 2Nos. 4Sqmm PVC flexible copper wire from junction box to equipment's/ Machines.	800	Mtr.
G.5.3	Supply, Installation, Testing & Commissioning of 2Nos. 2.5Sqmm PVC flexible copper wire from junction box to equipment's.	800	Mtr.

GI.6	<u>LIGHTENING CONDUCTOR INSTALLATION</u>		
G.6.1	Supply, Installation, testing and commissioning of Lightning Arrester, Controlled Early Streamer Emission Air terminal (ESEAT). ESEAT should be supported with independent third-party certification by the manufacturer certifying the compliance as required in the new test guidelines in Annex 'C' of revised NFC 17-102 version. 2011, latest ESE Lightning Protection Stds Early Streamer Emission technology, having a coverage radius of 60 Mtrs when mounted at a height of 4 Mtrs giving level 3 protection and anticipation emission time of 40 micro second. (Equivalent to INDELEC PREVECTRON 3® - S 40, Protection Radius 60 mtr, Level-3)	4	Mtr.
G.6.2	Supply and Installation of Arrester Mast made of GI with a dia of 35mm to 50mm with a thread at the top to fix the unit. Base plate, mounting bracket, clamps suitable for standing seam roof and all required fixing accessories should also be supplied. (4 Meter Self standing Pole)	4	Mtr.
G.6.3	Supply and Installation of a test clamp, should be installed in order to disconnect the down conductor from the earth termination for regular checks of the earth termination resistance value.	8	Mtr.
G.6.4	Supply, Installation, testing and Commissioning of 25 x 3 mm CU. Strip including conductor holder on metal sheets at every 1 meters.	400	Nos.
<u>Miscellaneous Item, Annexure H</u>			
H	<u>MISCELLANEOUS ITEMS</u>		
H.1	Supply, Installation, Testing & Commissioning of Hand Dryers.	20	No's
H.2	Supply , Installation, Testing & Commissioning of Air Curtains. (MS Powder Coated)- Double Sensor (Suitable for 3mtr. Height)		
a.	Size -1800mm	1	No's
b.	Size -1500mm	20	No's
c.	Size -1200mm	1	No's
H.3	Supply, Installation, Testing & Commissioning of Insect Flyer	1	No's
H.4	Supply, Unloading, Shifting, Installation Testing & Commissioning of following UPS System with Battery with 30min backup, Battery Rack, Connection of Battery Leads etc. -		

H.4.1	100 kVA On Line UPS (3Ph In & Out)	1	Nos.
H.4.2	80 kVA On Line UPS (3Ph In & Out)	1	Nos.
H.4.3	60 kVA On Line UPS (3Ph In & Out)	2	Nos.
H.4.4	20kVA On Line UPS (3Ph In & Out)	1	Nos.
H.5	Supply & Fixing of LT 6mm Thick (2m x 1m) Rubber Mat for 433V	1	No's
H.6	Fan		
	Supply, Installation & Testing of following along with all required mounting accessories & hardware.		
H.6.1	48" dia Ceiling Fan	10	No's
H.6.2	9" dia Exhaust Fan With louver Facility	10	No's
H.6.3	18" dia Exhaust fan - Heavy Duty (3-Ph)	1	No's
H.6.4	Bracket Fan (Wall Mounted)	1	No's
	Annuxure I		
II	<u>Attendance & Access Control System</u>		
	This includes the scope of Supply, Transportation installation, testing & commissioning of LVS system as listed below. The main Server , Software with required all Passive Network system material , OFC Cable , Network switch at Distribution level shall be supplied by IT Contractor. Consumable items like GI cable tray and Accessories , Floor & Wall Raceway and accessories Conduits & conduits accessories a,Earthing material etc shall be supplied and installation by LVS contractor along with erection materials and hardware. The materials shall be unloaded from transport shifted to owner's store, if store is not ready so shifting to temporary store , resifted from owner's store/temporary store to place of erection, unpacking, site assembly of loosely furnished accessories, installation on foundation (civil work done by owner), proper alignment, levelling , tightening of hardware with required torque.		

	instruction of panel manufacturer, fixing of steel supporting channels , grip bolts , anchor bolts and all other accessories as require & minor civil works, touch up paint but not limited to but complete the work in all respect ready for operation & to the entire satisfaction of Engineer-In- charge.		
	Contractor has to arrange the material as per site requirement and Contractor has to take back balance material after project completion.		
1I.1	Supply, Installation, Testing & Commissioning of Attendance Recording System with biomatrix. (For 500 users) Complete with Software. Prerefed Make- Honeywell/Siemens/Equiv. (Intregated With SAP)	4	Nos.
1I.2	Supply, installation, Testing & Commissioning of Access Control System based on Bio metric System. Prerefed Make- Honeywell/Siemens/Equiv.	10	Nos.
2I	Electromagnetic Door Interlocking System		
2I.1	Non Flame Proof		
	<p>Supply, Installation, Testing, Commissioning & Validation of concealed type electromagnetic door interlocking system with wall panel flushed soft touch keyboard. The system should include a high dB buzzer and be able to indicate the room occupancy status. Emergency overriding of the door interlocking to be included and be able to interface with the main fire panel. All necessary components including A.C to D.C (12-24V) transformer, interconnecting flexible cabling between interlocks,raceways,controllers etc to be provided .Do refer to the technical specification in the tender.The interlocking system to be supported with a user programmable timer, display of the same to be in minutes and seconds. Prerefed Make- Honeywell/Siemens/Equiv.</p> <p>Note :</p> <p>1.Each interlocked door to be provided with keyboard.on both sides of the room. 2.Top cover to be made of SS304 sheet smoothened to 240 grit and electro polished. 3.Privacy Logic Door interlock shall be provided with acknowledgement button on the exit side of room to disable door interlock</p>		
2I.1.1	2-Door Interlocking system Normal	55	Sets
2I.1.2	3-Door Interlocking system Normal	5	Sets

2I.1.3	4-Door Interlocking system Normal	3	Sets
2I.1.4	5-Door Interlocking system Normal	1	Sets
2I.1.5	6-Door Interlocking system Normal	1	Sets
2I.1.6	7-Door Interlocking system Normal	1	Sets
	Flame Proof		
	<p>Supply, installation testing, commissioning & Validation of certified concealed type flame proof electromagnetic door interlocking system with wall panel flushed /mounted in a SS Box flame proof keypad and an integrated electro-magnetic interlocks .The electro magnets utilized should be flame proof and suitable for I (fire damp (methane), IIA (industrial methane, petrol),IIB (Ethylene, Coke oven gas) gas groups.The system should include a high dB buzzer and be able to indicate the room occupancy status.Emergency overriding of the door interlocking to be included and be able to interface with the main fire panel.All necessary components including A.C to D.C(12-24V) transformer,interconnecting flexible cabling between interlocks,raceways,controllers etc to be provided. Prerefed Make-Honeywell/Siemens/Equiv.</p> <p>Note :</p> <p>1.Each interlocked door to be provided with keypad on both sides of the room.</p> <p>2.Certain civil or modular doors may be combined with High speed roll up door or rolling shutters.</p> <p>3.Privacy Logic Door interlock shall be provided with acknowledgement button on the exit side of room to disable door interlock</p>		
2I.2.1	2-Door Interlocking system Normal (Flame Proof)	5	Sets
3I	Computer Networking		
3I.1.1	Supply, Installation & Testing of LAN Point - RJ-45 Board. Modular Boards with CRCA Box, rear plates & polycarbonate front plate/ Cover & all other required accessories.	60	No.'s

3I.2	Supply & Laying of CAT-6 cable for Networking and interconnection of various LAN points with Networking Switch (Including incoming cable from Server Room). All Data wiring shall be carried out using Cat 6 Cable in heavy duty PVC conduit or Wall/Floor Race way (Separate Paid Items in Electrification BOQ). The Scope also include Puchning at both the end of Cat6 cable. Colour code for Data cable – Blue color . Contractor has to calculate actual requirement of Cable for Data, Redundant and other accessories and accordingly arrange the cable.	1800	Mtr.
3I.3.1	2 Mtr. CAT-6 Patch Cord between CPU/Laptop and Network outlets. (Supply & Connection)	5	Nos.
3I.3.2	1 Mtr. CAT-6 Patch cord between Patch Panel and Network switch for Data (Supply & Connection)	60	Nos.
3I.4	Managed Ethernet Switch:		
3I.4.1	Supply, Installation of - Managed Ethernet switch: 48 port RJ45 10 base 1000T (with POE Module).	1	Nos.
3I.4.2	Supply, Installation of - Managed Ethernet switch: 24 port RJ45 10 base 1000T (with POE Module).	1	Nos.
3I.5	Patch Panel (UNLOADED) :		
	Supply & Installation of following Patch Panel with integrated cable tie shelf, 19" fastening kit, labeling field, accepting the snap-in type color coding clips in 8 colors. Material: sub-rack made of sheet steel (DC01A) 1.5 mm, color blue chromatized, screen made of plastic (ABS), halogen-free, color medium gray (NCS 2502-B). Information Outlet or connection module should comply with the specification mentioned above Mounting dimensions 14.9 x 19.5 mm, max. material thickness 1.6 mm.		
a.	48 Port Patch Panel	1	Nos.
b.	24 Port Patch Panel	1	Nos.
3I.6	Network Rack :		

3I.6.1	Supply & Installation of Floor Mounting type 42U (800mm * 800mm) with Glass door, 2U standard rack mount power distribution unit with 6 Nos. X 5 Amp 5 Pin 230 Volts AC, Inlet Plug type 6A Indian Round Pin-PDU Rating 8A- 2Sets , Cantilever shelf/ type2/ 1U , Horizontal Cable Manager /1U/Loop , Fan as per required CFM, Also all required mounting Hardware	1	Nos.
3I.6.2	Supply & Installation of Floor Mounting type 24U (800mm * 600mm) with Glass door, 2U standard rack mount power distribution unit with 6 Nos. X 5 Amp 5 Pin 230 Volts AC, Inlet Plug type 6A Indian Round Pin-PDU Rating 8A- 2Sets , Cantilever shelf/ type2/ 1U , Horizontal Cable Manager /1U/Loop , Fan as per required CFM, Also all required mounting Hardware	1	Nos.
3I.6.3	Supply & Instllation of 24 Port LIU fulley loaded with LC Coupler , plate pigtel , spicing kits & Fiber (OFC) LC ptach cords- 2Mtr. SM Pigtel, SM LC to LC Patch Cord 2 Mtrs and Cat-6 Ptach cords ect. Also all required mounting Hardware.	1	Nos.
4I	Telephone System		
4I.1.1	Supply, Installation, testing of Telephone Point - RJ45 Board. Modular Boards with CRCA Box, rear plates & polycarbonate front plate/ Cover & all other required accessories.	20	No.'s
4I.2	Supply, laying and connection CAT-6 Cable for interconnection of various Telephones. All Telephone wiring shall be carried out using Cat 6 Cable in heavy duty PVC conduit/ Floor Race Way (Separate Paid Items in Electrification BOQ).The Scope also include Puchning at both the end of Cat 6 Cable.Colour code for Tele cables – Yellow color . Contractor has to calculate actual requirement of Cable for Telephone, Redundant and other accessories and accordingly arrange the cable.	600	Mtr.
4I.3.1	Supply, Installation, Testing & Commissioning of IP EPABX Input Line as per requirement. (Provide Catlouge & Model)	1	Nos
4I.4.1	Supply, laying and connection of 20 Pair Multi core Armoured Jelly Filled Telephone cable.	1	Mtr.
4I.4.2	Supply, laying and connection of 10 Pair Multi core Armoured Jelly Filled Telephone cable.	1	Mtr.
4I.5	Supply and Instllation of 10 Pair Krone Box	1	Nos
4I.6	Supply and installation of Table Top Analog Telephone Instruments	13	Nos

4I.7	Supply and installation of Table Top Digital Display Telephone Instruments (Security & Reception)	2	Nos
5I	CCTV System		
5I.1	Supply & Laying of CAT-6 cable for Networking and interconnection of various CCTV points with Networking Switch (Including incoming cable from Server Room). All Data wiring shall be carried out using Cat 6 Cable in heavy duty PVC conduit or Wall/Floor Race way (Separate Paid Items in Electrification BOQ). The Scope also include Puchning at both the end of Cat6 cable. Colour code for Data cable – Blue color. Contractor has to calculate actual requirement of Cable for CCTV, Redundant and other accessories and accordingly arrange the cable.	1500	Mtr.
5I.2.1	Supply and installation of IP based Fixed dome with discreet and tamper-resistant casing. Varifocal 2.8-10 mm lens with fixed iris. Multiple, individually configurable H.264 and Motion JPEG streams; max HDTV 720p . Video motion detection and active tampering alarm. Power over Ethernet. Midspan not included. <i>Prerefed Make- Honeywell/Axis/Equiv.</i>	25	Nos.
5I.2.2	Supply and installation of IP based Fixed Bullet with discreet and tamper-resistant casing. Varifocal 2.8-10 mm lens with fixed iris. Multiple, individually configurable H.264 and Motion JPEG streams; max HDTV 720p . Video motion detection and active tampering alarm. Power over Ethernet. Midspan not included. Suitable for outdoor installation. <i>Preferred Make- Bosch/ Honeywell/ Axis</i>	25	Nos.
5I.3	Supply, Installation, Testing and Commissioning of NVR which shall include the required hardware for 55 No's Cameras (Expandable) and software as per the system requirement. <i>Preferred Make- Honeywell/ Axis/ Bosch</i>	1	Nos.
5I.4	Supply, Installation, Testing & Commissioning of 40" LED Flat Color Monitors. <i>Preferred Make- Samsung/ LG/ Sony</i>	1	No.
6I	Public Address System		
6I.1.1	Supply, installation Testing & Commissioning of Public Address System complete with Amplifier, Mike , 6 Watt Speakers, JBs, Repeater and other necessary items. <i>Prerefed Make- Bosch/Equiv.</i>	4	Lot
6I.1.2	Supply, installation Testing & Commissioning of 6 Watt Superb Quality Ceiling Speaker <i>Prerefed Make- Honeywell/Bosch/Equiv.</i>	30	Nos

6I.1.3	Supply, installation Testing & Commissioning of 10 Watt Superb Quality Box Speaker Prerefed Make- Honeywell/Bosch/Equiv.	30	Nos
6I.2	Supply, Installation, Testing & Commissioning of 2 x 1 Sq. mm copper flat speaker cable to be laid in 25 mm dia hard PVC heavy duty conduits. Interconnection of the system to various Speakers shall be a part of the scope of work.	1000	Mtr.
	Annexure J		
	<u>INTELLIGENT ADDRESSABLE FIRE DETECTION SYSTEM</u>		
	<u>FIRE DETECTION AND ALARM SYSTEM - ANALOG ADDRESSABLE</u>		
	Design, Supply, Installation, testing & commissioning of Fire Detection & Alarm system as per local fire norms & UL, NBC / NFPA Codes:		
J1	Fire Alarm Control Panel		
	Supply, installing, testing and commissioning of 8 Loop panel with 4 loop card (each loop consist of 251 detector or devices or combination) Microprocessor based intelligent and electronically addressable, modular, expandable, networkable, loops with 20% spare capacity with each loop shall have a capacity of 318 analog addressable devices in one loop Fire Alarm Control Panel with minimum 6 inch / 640 character LCD display, multiple access levels, event history file in non-volatile memory (EEPROM). The panel shall support programmable relays for controlling lifts, staircase pressurizations fans, lift shaft and lift lobby pressurization fans, AHU's, ventilation fans, fire pump, monitoring of fire sprinkler and fire hydrant pump controlled by powerful Boolean logic equation. The panel shall have inbuilt Qwerty keypad for field programming and shall have the capability to record 4000 event logs , it shall have 240 volts AC power supply, automatic battery charger, 24 volts, sealed lead acid maintenance free batteries sufficient for 24 hours normal working and then be capable of operating the system for 60 minutes during emergency condition. Can be integrated with BMS installed on Site. The panel shall be UL listed 9th Edition Approved Makes : Notifier, Jonson Control, Bosch UL	1	Nos.
J2	Loop Card suitable for 251 detector & 251 Devices	1	Nos

J3	Repeater Panel (Active) with 6 inch or 640-characters; The LCD shall Display all events / detectors, devices status of complete systems in the networked, The NRP shall be equipped with QWERTY Keypad. Mounting options include an annunciator box, and blank modules are required for mounting. Approved Makes: Notifier, Jonson Control, Bosch UL	1	Nos.
J4	CO (Carbon monoxide) Detector		
a.	Supply, installing, testing and commissioning of UL listed addressable Intelligent addressable combination photo and carbon monoxide detection with mounting base and rotary switch for address from 1-159, dual LED, complete with base as required. Approved Makes : Notifier, Jonson Control, Bosch UL.	1	Nos.
J5	Photothermal (Multitech) Detector		
	Supply, installing, testing and commissioning of UL listed addressable intelligent Photothermal (Multitech) detector with floating sensitivity (Acclimate type) with mounting base and rotary switch for address from 1-159, dual LED, complete with base as required. Approved make: Notifier, Jonson Control, Bosch UL.		
a.	Below False Ceiling	220	Nos.
b.	Above False Ceiling	1	Nos.
c.	Flame proof	15	Nos.
J6	Heat Detector		
a.	Supply, installing, testing and commissioning of UL listed addressable intelligent rate of rise cum fixed temperature thermistor type resettable Heat detector with mounting base and rotary switch for address from 1-159, dual LED, complete with base as required. <i>Approved Makes : Notifier, Jonson Control, Bosch UL</i>	1	Nos.
J7	Smoke Detector		
a.	Supply, installing, testing and commissioning of UL listed addressable intelligent smoke detector with mounting base and rotary switch for address from 1-159, dual LED, complete with base as required. <i>Approved Makes : Notifier, Jonson Control, Bosch UL.</i>	1	Nos.
J8	Beam Detector		

	a. Supply, installing, testing and commissioning of UL listed addressable Beam Detector detector with mounting base and rotary switch for address from 1-159, dual LED, complete with base as required. <i>Approved Makes : Notifier, Jonson Control, Bosch UL</i>	1	Sets
J9	Duct Detectors		
	a. Supply and installation of optical type duct detectors same as item above but inside a air sampling chamber to be located inside the AC return air duct including supply of all fixing materials	1	Nos.
	b. Supply and installation of Flame Proof Intrinsically safe Duct detectors same as item above but inside a air sampling chamber to be located inside the AC return air duct including supply of all fixing materials	1	Nos.
J10	Fault Isolator		
	a. Supply, installing, testing and commissioning of addressable type Fault Isolators for isolating shorted, de wired and loose circuits between two successive fault isolators with automatic resetting. <i>Arrangement. Makes : Notifier, Jonson Control, Bosch UL</i>	22	Nos.
J11	Monitor Modules		
	a. Supply, Installation, testing and commissioning of Addressable Monitor modules for : Sprinkler flow switches. <i>Approved make: Makes : Notifier, Jonson Control, Bosch UL</i>	1	Nos.
J12	Control Modules		
	Supply, installing, testing and commissioning of addressable and automatic commandable control modules for: <i>Approved make: Notifier, Jonson Control, Bosch UL</i>		
	i Fireman's Telephone jack circuits	1	Nos.
	ii Access Control / Door Interlock Integration	1	Nos.
	iii Hooters cum Strobe Circuit	15	Nos.
	iv Directional Sounder	1	Nos.
	v AHU / DDC Integration	1	Nos.
J13	Response Indicator		

	a. Supply, installation, testing and commissioning of Response Indicator cum lamp assembly mounted on walls /partitions, surface /recessed etc. in dust tight enclosure, including chase cutting complete as required. (Any Local Make Approved by Engineer in Charge At Site) <i>Approved make: Notifier, Jonson Control, Bosch UL</i>	1	Nos.
J14	Manual Call Point		
	a. Supply, installing, testing & commissioning of addressable Glass break Manual call point. <i>Approved Makes : Notifier, Jonson Control, Bosch UL</i>	20	Nos.
J15	Strobes Cum Dual Tone Hooters		
	a. Supply, installation, testing and commissioning of Strobes cum Dual tone hooters with minimum of 110cd and 93 db complete as required. <i>Approved Makes : Notifier, Jonson Control, Bosch UL.</i>	20	Nos.
J16	Exit Sign Boards		
	a. Supplying, installation, testing and commissioning of Emergency Escape Sign Board- LED exit sign boards - Low operating cost with high lamp life, consumption less than 5w having facility with flashing in Emergency mode, (Battery operated)	10	Nos.
J17	SITC, of 2C x 1.5 Sq.mm twisted pair copper cable.	2000	Mtrs

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Item Rate BoQ

Tender Inviting Authority: FM , Gluconate Health Limited

Name of Work: EQUIPMENTS

Contract No: NIT/PT-44/25-26

Name of the Bidder/ Bidding Firm / Company :
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PRICE SC

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling Bidder Name and

NUMBER #	TEXT #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units
1	2	4	5
1	DYNAMIC PASS BOX Supply installation testing and commissioning of dynamic pass box. The system contains HEPA Filter, which conforms to H 14 Grade, with an efficiency rating better than 99.999% for 0.3 μ at supply position. Fresh Air filter which conforms to EU 5 Grade, with efficiency of 95% down to 5 micron. These Filters are basically made from High density polythene mesh and are inherently washable. EBM Motor Blower with Speed Controller provided are statically and dynamically balanced, Supply of sufficient capacity and static pressure is used to take care of airflow requirement for entire life of HEPA. Blower is high performance, noise abated, light weighted statically and dynamically balanced Pressure Gauge (0 – 50 mm: 1 No.) to monitor pressure drop across main HEPA Filter with respect to ambient with High-low alarm Microprocessor, SS 304 double walled doors with glass view panels, SS handle, hinges. Electro – Magnetic Interlocking to ensure only one side door will be opened at a time.PAO port, SS Perforated Grill for Return Air,Atmosphere Nozzle,LED Light,SS Coving and Flanges,Door Release Switch with Slave Display UV and flourescent light with UV Burning hour counter		

1.1	DPB Size-600(w)X600(h)x600(d)(Clear Space)	3.000	Nos
1.2	DPB 3 Way Size- 600(w)X600(h)x600(d)(Clear Space)	3.000	Nos
1.3	DPB Size- 450(w)X450(h)x600(d)(Clear Space)	10.000	Nos
1.4	DPB Size 3 Way - 900(w)X900(h)x900(d)(Clear Space)	3.000	Nos
1.5	DPB Size- 900 (w)X900(h)x900(d)(Clear Space)	40.000	Nos
2	STATIC PASS BOX		
	Supply installation testing and commissioning of static pass box. The system contains Filter, which conforms to EU5 Grade,e, with efficiency of 95% down to 5 micron. These Filters are basically made from High density polythene mesh and are inherently washable.		
	EBM Motor Blower with Speed Controller provided are statically and dynamically balanced, Supply of sufficient capacity and static pressure is used to Blower is high performance, noise abated, light weighted statically and dynamically balanced		
	Microprocessor, SS 304 double walled doors with glass view panels, SS handle, hinges. Electro – Magnetic Interlocking to ensure only one side door will be opened at a time.SS Perforated Grill for Return Air,LED Light,SS Coving and Flanges,Door Release Switch with Slave Display		
2.1	SPB Size-600(w)X600(h)x600(d)(Clear Space)	1.000	Nos
3	LAF		
	The Laminar Air Flow booth to be used for a clean, disinfected, low-particulate environment		
	designed to provide re-circulate approx. 90% air from the room, and about 10% fresh air filtered will get mixed with return air in the mixing chamber through ducting.		
	Air velocity should not exceed 0.45 m/s (± 0.05 m/s)		
3.1	Working area of LAF Should Be (1200(w)x600(d)x900(h)(MM) (MLT) (HORIZONTAL)	1.000	Nos
3.2	Working area of LAF Should Be 1600(W)x1000(D)x 2100 (H) (MM) (HORIZONTAL)	2.000	Nos
4	BIO SAFETY CABINET		
	Supply installation testing and commissioning of Bio Safety Cabinet, the system Inner Chamber & Outer Chamber shall made of stainless-steel high efficiency and smooth surface.Particulate air filters, to achieve the air purification up to 0.3 Microns in working area.It should maintain the cleanliness of area as per grade class 100.		

	Blower fitted with motor. Motor must automatically adjust the airflow speed (balancing inflow and down flow) without the use of a damper to ensure continuous safe working conditions.		
	Pre-filters made of high-grade nylon Net fixed in S.S. frame for first Stage air purification, through blower system.		
	Closed Inner Chamber fitted with HEPA having very accurate performance rate of air filtration, rated 99.995%, resulting in ceasing all air bore molecule of particle up to 0.3 micron in working Area of Laminar Bench.		
	The airflow should horizontal and air should not exposure to the user.		
	Safety Door should provide to protect the user from the biological contamination and working port required in the safety door itself for handling of biological hazards (It should be designed in such a way that the user can handle the biological hazardous material without opening the whole safety door).		
	Manometer across filter, Led fluroscent light, cock for gas connection, safety alarm etc		
4.1	BSC - (1200(w)x600(d)x900(h) MM)	1.000	Nos
5	RLAF		
	The Reverse Laminar Air Flow booth to be used for providing class 100 working environment for sampling as well dispensing activity of Active, Excipients and solvent materials.		
	capable to continuously sampling and dispensing active Excipients and solvent materials for 24 hours of continuous operation before requiring a major clean.		
	is designed to provide re-circulate approx. 90% air from the room, and about 10% fresh air filtered will get mixed with return air in the mixing chamber through ducting.		
	All the contact parts in SS SS 304, SS 304 frames for HEPA and micro prefilters. Pre filter with G-4, Fine filter with F-7, all filter should come with pressure gauge, air sampling port, PAO port motor, blower and all other arrangement.		
5.1	The Size of working area of RALF Should Be (1600(w)x1000(d)x2100(h) (MM) (Flouroscent and Monochromatic light req.)	4.000	Nos
5.2	The Size of the working area of RALF Should Be 1600(W)x1000(D)x 2100 (H) (MM) (SOLVENT SAMPLING / DISPENSING ROOM WITH) (FLP)	1.000	Nos
6	LIQUID MANUFACTURING 3000m Liter working capacity		
6.1	1KL Premix Tank without Jacktet and bottom stirrer	1.000	Nos
6.2	2KL Sugar melting tank with Jacktet and bottom stirrer	1.000	Nos
6.3	3KL Manufacturing tank with Jacktet ,bottom stirrer with homogenizer	1.000	Nos

	Face and bypass temperature controlling system is provided to achieve optimal temperature control with $\pm 1^{\circ}$ efficiency.		
	CFM sensor is provided with display in HMI for controlling the inlet airflow. The sensor shall install on the inlet side prior to the AHU		
	Magnehellic gauges I provide to monitor the chocking of filters		
	The system will have numbers of recipe for automatic manufactruing. Cleaning will be by auto recipe for automatic cleaning. The system will have previlage system with multiple acess level with multiple users .the system will have partial 21 CFR compliance with HMI based operation.		
	Dedicated AHU with Humidity control , HEPA filter. The inner surface of the AHU will be SS304 and Piping for the air linlet /outlet to FBD will be SS316		
	Dry Scrubber for powder trap		
	The system will have numbers of recipe for automatic manufactruing. Cleaning will be by auto recipe for automatic cleaning and pipelines . The system will have previlage system with multiple acess level with multiple users .the system will have partial 21 CFR compliance with HMI based operation.		
	Extra product container will be provided		
	Limit switches used for system/equipment safety devices		
8	BOD Incubator		
8.1	Capacity in Liter:600Ltr	3.000	Nos
	Temperature Range: 10°C to 60°C		
	Inside and outside Materail SS304		
	Body & Door Insulation : Poly Urethane Foam (PUF)		
	S.S. Nichrome Wire Embedded 'U' Shaped Air Heater		
	Auto changeover of Master sensor in case of failure		
	PLC control system with touch screen display, Human Machine Interface (HMI) Storage facility upto 1440 readings logged at 1 minute interval. Chamber readings, Data logger readings, events, Audit trail, Door access details.		
	PLC Based Safety control to protect the chamber from overshoot & undershoot of temp		
	Changing Set value of Master controller from HMI with password protection with auto log off		
	Compressor with CFC Free R134A / R404A / R407C (Eco Friendly) refrigerant. Complete with Compressor, Condenser, Evaporator and Other Accessories with Gas Charging.		

	<p>Additional safety thermostat to cut off the supply in case of overshoot of temperature.</p> <ul style="list-style-type: none"> • Compressors 'ON' delay time of 2 min. to safe guard the compressor. • MCB for over current protection • Safety controller sensor to cut off the supply in case of overshoot and undershoot of Temperature giving audio visual alarm 		
	Chamber will be operated though HMI		
	In case of power failure (Main as well as UPS), chamber starts automatically once power resumes.		
9	LIQUID FILLING LINE		
9.1	<p>Automatic 8 head servo based liquid filling</p> <p>Machine Capacity 240 BPM</p> <p>HMI/PLC based Operation</p> <p>Filling range from 30 ml to 500 ml</p> <p>Inline Machine:</p> <p>Rotary bottle washing machine</p> <p>Capping machine</p> <p>Measuring Cap Machine</p> <p>visual inspection machine</p> <p>Round container sticker labelling machine</p>	1.000	Nos
	The system will have numbers of recipe for automatic filling . Cleaning will be by auto recipe for automatic cleaning and pipelines . The system will have privilege system with multiple access level with multiple users .the system will have partial 21 CFR compliance with HMI based operation.		
	Safety Door/guard will be provided		
	<ul style="list-style-type: none"> • All product contact parts in vessel and piping will be of SS316L and PTFE • All non-product contact parts in vessel and piping will be of SS304/Other preferred MOC 		
10	FURNITURE		
10.1	<p>Cross Over Bench for Air Lock area With 250 mm Depth,Matt finish including Open Peigon Box, both side.Made from 20 gauge thickness .</p> <p>Hand Sanitizer stand made up with SS-304 for automatic hand sanitizer dispensing machine.</p> <p>SOP stand made up with SS-304.</p> <p>Garment Cabinet for Air Lock</p>	1.000	Lot
11	PURIFIED WATER SYSTEM		
	PW System Capacity 2m³/Hrs		

11.1	PW generation system consists of 1st pass Chemical Sanitizable & 2nd pass Hot water Sanitizable RO-EDI System, with Stainless Steel control panel mounted on single Compact SS 304 Skid.	1	Nos
11.2	PW distribution 4000 Ltrs.Tank with Rockwool insulation and SS 304 Cladding for PW. Contact Parts SS316L Non Contact Parts SS304 Internally Electropolished Up to 240 Grit Externally Buff 180 Grit. Vertical Type, With Spray Ball attachment	1	Nos
11.3	PW distribution 3000 Ltrs.Tank with Rockwool insulation and SS 304 Cladding for PW. Contact Parts SS316L Non Contact Parts SS304 Internally Electropolished Up to 240 Grit Externally Buff 180 Grit. Vertical Type, With Spray Ball attachment	1	Nos
11.4	PW distribution 1000 Ltrs.Tank with Rockwool insulation and SS 304 Cladding for PW. Contact Parts SS316L Non Contact Parts SS304 Internally Electropolished Up to 240 Grit Externally Buff 180 Grit. Vertical Type, With Spray Ball attachment	1	Nos
11.5	<p>Multipurpose tank 500 Ltrs.SS 304 Cladding. Contact Parts SS316L Non Contact Parts SS304 Internally Electropolished Up to 240 Grit Externally Buff 180 Grit.</p> <p>The distribution loop shall consist of distribution pump, UV system in supply line, and online instruments for measuring flow, pressure, temperature, conductivity in return line and capacitance type level sensor for monitoring level in the storage tank.</p> <p>PW system is provided with auto-flush sequence through PLC.</p> <p>The system will have numbers of recipe for automatic operation . Cleaning will be by auto recipe for automatic cleaning. The system will have preveilage system with multiple acess level with multiple users .the system will have partial 21 CFR compliance with HMI based operation.</p> <p>All joint are will be orbital welding with zero dead leg.</p> <p>Vent filter will be sanitizable with provision of temperature control.</p> <p>All valves will be zero dead leg valve. It should be sanitary construction having MOC of SS316L & EPDM diaphragm.</p> <p>HSRO-EDI Pipes, Fitting & RO Housing Internally Electro polished to have SF of 0.4 μRa & External matt finish.</p> <p>treated Water Quality of Purified Water Generation System (EDI OUTLET AS PER USP) pH : 5 to 7</p> <p>Conductivity @ 25°C : <1.3 μs/cm</p> <p>TOC : <500ppb</p> <p>TVC : <100 CFU/ml</p> <p>PW Sytem Consist</p> <p>NaOCl DOSING SYSTEM</p> <p>RAW WATER STORAGE TANK</p> <p>MGF WATER FEED PUMP</p> <p>MULTIGRADE FILTER (MGF)</p> <p>SOFTENER</p>	1	Nos

SOFT WATER TANK			
RO FEED PUMP			
ANTISCALANT DOSING SYSTEM			
AUTO pH CORRECTION SYSTEM			
MICRON CARTRIDGE			
SMBS DOSING SYSTEM			
RO HIGH PRESSURE PUMP			
RO BLOCK PASS 1			
CIP SYSTEM			
HSRO FEED TANK/MULTIPURPOSE TANK			
RO HIGH PRESSURE PUMP			
RO BLOCK PASS 2			
EDI UNIT			
CONDUCTIVITY TRANSMITTER ,ORP AND pH TRANSMITTER			
UV			
TOC			
12	Air Compressor		
12.1	<p>Oil Free Water Injected Air-Cooled Screw Air Compressor compressor having a minimum 100. cfm flow , pressure range 0 to 13 bar (Included standard accessories like valves, etc)</p> <p>Heatless Desiccant Air Dryer</p> <p>External Air receiver to with stand the working pressure of 14 bar with accessories (manual drain-01 No., auto drain-01 No.(with bypass), pressure gauge with pneumatic siphon and valve01 No., safety valve-01 No. etc.)</p> <p>Fine-Filter Float type auto drain having Maximum particle size-0.1 µm</p> <p>Pre-Filter and After Filter size-0.1 µm</p> <p>The system will have numbers of recipe for automatic operation . The system will have privilege system with multiple access level with multiple users .the system will have partial 21 CFR compliance with HMI based operation.</p> <p>The System will be operate through HMI.</p>	2.000	Nos
13	Bursting Strength apparatus		
13.1	Capacity- High pressure 0 to 100 kg/cm ² , Accuracy-±0.5%	1.000	Nos

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Item Rate BoQ

Tender Inviting Authority: FM , Gluconate Health Limited

Name of Work: ETP PLANT

Contract No: NIT/PT-44/25-26

Name of the Bidder/ Bidding Firm / Company : PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling in the Bidder Name and Bidder Address)			
NUMBER #	TEXT #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units
1	2	4	5
1	ETP CAPACITY - 20 KLD	1.000	Nos
2	ETP SHALL BE PACKAGED UNIT		
3	All Tanks shall Carbon Steel tanks with required anti corrosive internal coating and external painting		
4	The ETP shall be design on MBR/MBBR or input parameters		
	Bar Screen		
	Supply & fixing of SS bar Screen of required size		
	Raw Effluent Transfer Pump		
	Supply, Installing, testing & Commissioning of Raw effluent transfer Pump, Capacity 1 Cum/hr @10M head (1Working + 1 Stand-by)		

	Treated Effluent Transfer Pump		
	Supply, Installing , tetsing & Commissioning of Treated effluent transfer Pump, Capacity 1 Cum/hr @10M head (1Working + 1 Stand-by)		
	Air Blowers		
	Supply, Installing, testing & commssioning of Air Blowers with Acoustic Enclosure of capacity 60 m3/hr. @ 0.45 kg/cm2. (1 Working + 1 Stand-by)		
	Sludge Transfer Pumps		
	Supply, Installing , tetsing & Commissioning of Sludge transfer Pump, Capacity 1 Cum/hr @10M head (1Working + 1 Stand-by)		
	Filter Feed Pumps		
	Supply, Installing , tetsing & Commissioning of Filter Feed Pump, Capacity 1 Cum/hr @35M head (1Working + 1 Stand-by)		
	Pressure Sand Filter		
	Supply, Installing , tetsing & Commissioning of Pressure Sand Filter, Flow Rate 1 Cum/hr with necessary frontal piping valves etc complete.,		
	Activated Carbon Filter		
	Supply, Installing , tetsing & Commissioning of Activated Carbon Filter, Flow Rate 1 Cum/hr with necessary frontal piping valves etc complete.,		
	Dosing System		
	Supply, Installing , tetsing & Commissioning of Dosing with flow rate of 10 cum/day, Hypo Dosing Pump 0-6 LPH, Hypo Dosing Tank of Capacity 100 Litres etc complete.,		
	Electrical Panel		
	Supply, Installing , tetsing & Commissioning of Non Compartmental type MCC Control Panel with cabling		
	Electrical Panel		
	Supply, Installing , tetsing & Commissioning of Interconnecting piping uPVC Sch80 pipes and fittings with necessary valves and fittings etc complete as required for complete working of ETP plant to the satishfaction of Engineer-in-Charge.		

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Item Rate BoQ

Tender Inviting Authority: FM , Gluconate Health Limited

Name of Work: FLOORING WORKS

Contract No: NIT/PT-44/25-26

Name of the Bidder/ Bidding Firm / Company :
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PRICE SCHED

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the Bidder Name and the Bidder Address)

NUMBER #	TEXT #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units
1	2	4	5
3.01	GRANITE FLOORING		

	Providing, cutting and laying 20mm thick watercut Granite stone of approved colour shade and sizes in the flooring as per drawings/ flooring pattern, laid on 35mm thick (average thickness at all levels) cement mortar (1 cement : 4 course sand). Joints in the flooring to be filled with BAL - RG1 Hygienic Impervious tile grout to match the shade of granite. Quoted rate to include the cost of surface cleaning, cement mortar, curing, polishing, protecting the flooring with polythene sheet and POP overlay till hand-over to client.	40.000	SMT
3.02	VITRIFIED TILE FLOORING		
	Vitrified tile flooring of size, colour and pattern as approved by the architect. Thickness of tile min. 10mm. The cost to include preparation of sub floor to plumb level with normal PCC course, and tiles fixed using adhesive, Laying tiles on a thin cement slurry paste /Tile Adhesive & necessary protection after laying. Joints between tiles to be of paper joint of approved shade or approved equivalent make. Rate to include cost for laying tiles to approved pattern, design as directed by Architect, including curing, acid wash, etc., and protecting the flooring with polythene sheet and pop overlay till hand over.	300.000	SMT
3.03	KOTA FLOORING		
	Polished Kota Stone flooring-25mm min'm thick stone slab flooring (sample of marble shall be approved by IHC) laid over 20mm thick base of cement mortar 1:4 (1 cement: 4 course sand) and jointed with cement slurry with pigment to match the shade of the slab including grinding and polishing complete and also POP protective coat to prevent scratches, curing etc.,	2800.000	SMT

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Item Rate BoQ

Tender Inviting Authority: FM ,Gluconate Health Limited

Name of Work: AIR MOVING EQUIPMENT'S and HVAC CLEANROOM

Contract No: NIT/PT-44/25-26

Name of the Bidder/ Bidding Firm / Company :	
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(This BOQ template must not be modified/replaced)

NUMBER #	TEXT #	NUMBER #	TEXT #
Sl. No.	Item Description / AHU NO.	Quantity	Units
1	2	4	5
Part-I AIR MOVING EQUIPMENT'S			
1	Double Dacker Floor Mounted Air Handling Unit (All Blow Through Recirculation Type) For Class-D Area/CNC Area		
	Comprising of Following :		
	Supply installation testing and commissioning of double skin double decker air handling unit in 43±2 mm thick puff insulation complete with thermal break profile ,22 G inside GI sheet and 24 G GI outside sheet with precoating and with following section. Pre coated inner finishing of all the AHU sheet shall be considered.		
	AHU frame work shall be of Anodized Aluminum construction with thermal break profile & internal coving		
	Mixing chamber section of minimum 600 mm length of fresh air and return air.		
	Fresh air Cutout with EU-4 Filter With Volume Control Damper		
	Pre filter section with EU-5 (05μ) washable filter rating Efficiency (As per BS 6540, BS EN 779) to be provided with pressure sensing nozzles/ports suitable for DPS. (DPS in BMS Scope).		
	Sealing Gasket : Food Grade		

PLUG type SUPPLY AIR FAN with high efficiency motor (IE-3), Motor Compatible with VFD to be provided with pressure sensing nozzles/ports suitable for DPS. (DPS in BMS Scope).		
Bleed air with EU-9 (0.3μ) filter. (In classified area AHU)		
DX Coil section with coil (6 / 8 row deep)		
Coil face velocity should not exceed 500FPM.		
Heater section with Heating Coil KW capacity mentioned in AHU Details/ or can be duct mounted heater with control		
Fine filter section with EU-9 (0.3μ) filter rating Efficiency (As per BS 6540, BS EN 779) to be provided with pressure sensing nozzles/ports suitable for DPS. (DPS in BMS Scope). (In classified area AHU)		
Marine light (LED) with limit switch across all fan sections, door shall be provided with switch for marine light on / off outside the unit. There should be Provision for View Glass in the Fan Section.		
Inlet and outlet connection of chilled water and Hot water shall be on same side with doors on opposite sides. Inlet & outlet Coil connection & door Orientation will be finalised AHU GA approval.		
Opposed blade low leakage extruded aluminum volume control dampers For Supply & return air / Exhaust & fresh Air to be Provided. All dampers to be aerofoil profile and class as per BSEN:1751		
Sandwich type 19 mm thick nitrile rubber Insulated SS 304 drain pan, Cable entry for motor and sufficient distance between all section.		
All AHU Elec. Connection Cable (Motor , Lamp , Limit switch etc.) cable terminal end should be one junction box , box location on AHU.		
All Cable & pipes should be Roxtec flexible sealed type.		
Antivibration Rubber Pads for AHUs Installation.		
All filters shall be flanged type & filter face velocity not to exceed 500 FPM.		
All EU-4 filters shall be washable type.		
All AHU will have Heater placed in AHU itself or that can be installed in Ducting as per design.		
All filter section should come up with meganahalic gauge to check the filter condition		
Building A	FM-AHU-GF-01	1.000 Nos.
	FM-AHU-GF-02	1.000 Nos.
	FM-AHU-GF-03	1.000 Nos.
	FM-AHU-GF-04	1.000 Nos.
	FM-AHU-GF-05	1.000 Nos.

FM-AHU-GF-06	1.000	Nos.	
FM-AHU-GF-07	1.000	Nos.	
FM-AHU-GF-08	1.000	Nos.	
FM-AHU-GF-09	1.000	Nos.	
FM-AHU-GF-10	1.000	Nos.	
FM-AHU-GF-11	1.000	Nos.	
FM-AHU-GF-12	1.000	Nos.	
FM-AHU-GF-13	1.000	Nos.	
FM-AHU-GF-14	1.000	Nos.	
FM-AHU-GF-15	1.000	Nos.	
FM-AHU-GF-16	1.000	Nos.	
FM-AHU-GF-17	1.000	Nos.	
FM-AHU-GF-18	1.000	Nos.	
FM-AHU-FF-01	1.000	Nos.	
FM-AHU-FF-02	1.000	Nos.	
FM-AHU-FF-03	1.000	Nos.	
FM-AHU-FF-04	1.000	Nos.	
FM-AHU-FF-05	1.000	Nos.	
Building B	FM-AHU-GF-01	1.000	Nos.
	FM-AHU-GF-02	1.000	Nos.
	FM-AHU-GF-03	1.000	Nos.
	FM-AHU-GF-04	1.000	Nos.
	FM-AHU-GF-05	1.000	Nos.
	FM-AHU-GF-06	1.000	Nos.

	FM-AHU-GF-07	1.000	Nos.
	FM-AHU-GF-08	1.000	Nos.
	FM-AHU-GF-09	1.000	Nos.
	FM-AHU-GF-10	1.000	Nos.
	FM-AHU-GF-11	1.000	Nos.
	FM-AHU-GF-12	1.000	Nos.
	FM-AHU-GF-13	1.000	Nos.
Building C,D	FM-AHU-GF-01	1.000	Nos.
	FM-AHU-GF-02	1.000	Nos.
	FM-AHU-GF-03	1.000	Nos.
	FM-AHU-GF-04	1.000	Nos.
	FM-AHU-GF-05	1.000	Nos.
	FM-AHU-GF-06	1.000	Nos.
	FM-AHU-GF-07	1.000	Nos.
	FM-AHU-GF-08	1.000	Nos.
	FM-AHU-GF-09	1.000	Nos.
	FM-AHU-GF-10	1.000	Nos.
	FM-AHU-FF-01	1.000	Nos.
	FM-FDV-FF-01	1.000	Nos.
Building E	FM-AHU-GF-01	1.000	Nos.
	FM-AHU-GF-02	1.000	Nos.
	FM-AHU-GF-03	1.000	Nos.
	FM-AHU-GF-04	1.000	Nos.
	FM-AHU-GF-05	1.000	Nos.

2	Air Cooled Condensing-Unit		
Building A+B+C,D=E	Supply of Air-cooled condensing units of specified tonnage capacity, each complete with the following major items:		
	Air-cooled condenser/s with accessories; having heat-transfer seamless copper tube coils with aluminium fins, axial / propeller fans, motors, etc.		
	With Expansion Valve and necessary connections		
	Compressor shall be inverter driven type.		
	Outdoor condensing unit comprising of hermetic - scroll / rotary compressor/s, condenser coils, propeller / axial fans pressure switches / cutouts etc.		
	Controls, safety cutouts including high & low pressure cutouts, oil safety cutout, adjustable thermostatic control of room temperature at RA level; refrigerant filters & dryers, copper control tubing, expansion device, etc. (Exp. device for cooling coil must be designed & supplied by Cond.Unit mfr)		
	Rubber vibration isolators & mounting arrangement for vibration-free operation of all equipment		
	Necessary Refrigerant Gas R-410A/R-32 and oil charge.		
	10 Rmts. refrigerant pipes, pipe fittings, GI angles / flats supports, accessories, 19mm thick nitrile rubber tube insulation for entire piping system (including UV & glass-cloth mechanical protection for exposed pipes). Refrigerant piping on terrace shall be installed on GI pipe tray, and finally covered with GI sheet cover.		
1	DX ODU (2.2 TR)	5.000	Nos.
2	DX ODU (3.0 TR)	4.000	Nos.
3	DX ODU (5.5 TR)	18.000	Nos.
4	DX ODU (8.5 TR)	28.000	Nos.
4	DX ODU (11 TR)	6.000	Nos.
5	GAS CHARGING R410/R32 or SIMILAR FOR EXTRA PIPE LENGTH	1.000	KG
6	EXTRA PIPING	1.000	RMT
3	ELECTRICAL PANEL		

Building A+B+C,D=E	Design, Supply, Installation, Testing & Commissioning of Dedicated Power Panel (For AHUs) located near the AHU for HVAC system. The panel should consists of incomer MCCB with appropriate rating, starter with suitable O/L relay, ON/OFF push buttons & ON/OFF/TRIP indicating lamps with control circuitry as per system requirement. Panel with space provision for Variable Frequency Drive (VFD) and Stand alone controller. Control panel should include T&RH Display (WITH STAND ALONE CONTROLLER), VFD, Bypass starter, Heater Control , Heater to be given in Ducting, etc	53.000	Nos.
4	VARIABLE FREQUENCY DRIVES (VFDs)		
	Supply / Installation / Testing / Commissioning of Variable Frequency Drives (VFDs) for AHU motors, to be located in Electrical panel.		
Building A	FM-AHU-GF-01	1.000	Nos.
	FM-AHU-GF-02	1.000	Nos.
	FM-AHU-GF-03	1.000	Nos.
	FM-AHU-GF-04	1.000	Nos.
	FM-AHU-GF-05	1.000	Nos.
	FM-AHU-GF-06	1.000	Nos.
	FM-AHU-GF-07	1.000	Nos.
	FM-AHU-GF-08	1.000	Nos.
	FM-AHU-GF-09	1.000	Nos.
	FM-AHU-GF-10	1.000	Nos.
	FM-AHU-GF-11	1.000	Nos.
	FM-AHU-GF-12	1.000	Nos.
	FM-AHU-GF-13	1.000	Nos.
	FM-AHU-GF-14	1.000	Nos.
	FM-AHU-GF-15	1.000	Nos.
	FM-AHU-GF-16	1.000	Nos.

FM-AHU-GF-17	1.000	Nos.	
FM-AHU-GF-18	1.000	Nos.	
FM-AHU-FF-01	1.000	Nos.	
FM-AHU-FF-02	1.000	Nos.	
FM-AHU-FF-03	1.000	Nos.	
FM-AHU-FF-04	1.000	Nos.	
FM-AHU-FF-05	1.000	Nos.	
Building B	FM-AHU-GF-01	1.000	Nos.
	FM-AHU-GF-02	1.000	Nos.
	FM-AHU-GF-03	1.000	Nos.
	FM-AHU-GF-04	1.000	Nos.
	FM-AHU-GF-05	1.000	Nos.
	FM-AHU-GF-06	1.000	Nos.
	FM-AHU-GF-07	1.000	Nos.
	FM-AHU-GF-08	1.000	Nos.
	FM-AHU-GF-09	1.000	Nos.
	FM-AHU-GF-10	1.000	Nos.
	FM-AHU-GF-11	1.000	Nos.
	FM-AHU-GF-12	1.000	Nos.
	FM-AHU-GF-13	1.000	Nos.
Building C,D	FM-AHU-GF-01	1.000	Nos.
	FM-AHU-GF-02	1.000	Nos.
	FM-AHU-GF-03	1.000	Nos.
	FM-AHU-GF-04	1.000	Nos.

	FM-AHU-GF-05	1.000	Nos.
	FM-AHU-GF-06	1.000	Nos.
	FM-AHU-GF-07	1.000	Nos.
	FM-AHU-GF-08	1.000	Nos.
	FM-AHU-GF-09	1.000	Nos.
	FM-AHU-GF-10	1.000	Nos.
	FM-AHU-FF-01	1.000	Nos.
	FM-FDV-FF-01	1.000	Nos.
Building E	FM-AHU-GF-01	1.000	Nos.
	FM-AHU-GF-02	1.000	Nos.
	FM-AHU-GF-03	1.000	Nos.
	FM-AHU-GF-04	1.000	Nos.
	FM-AHU-GF-05	1.000	Nos.
	Total Amount		

HVAC CLEANROOM			
1	Supply, Installation & Testing of Pre Fabricated GI Ducting		
	Supply and Installation of Factory Fabricated GI Ducting as per SMACNA standard & leakage test. All ducting shall be applied with RTV sealant & 3 mm thick food grade quality Neoprene Rubber gasket strips, GI nut-bolts etc. as per the following quantities :		
	The ducting shall include GI threaded supporting rods ,bends,tees, elbows,Y piece, taper pieces, turning vanes, reducer,expander, blind flanges etc.All (flanges and supports)		
1.1	24 Gauge	5000.000	MT2
1.2	22 Gauge	2000.000	MT2

2	Supply & Installation of Duct Insulation		
	Duct Insulation with self adhesive, With Aluminum foil Faced; XLPE Type duct insulation , class O insulation as per thickness specified, Aluminium tape shall be applied on all transpose & longitudinal joints. The adhesive cost and Taping cost should be inclusive in the insulation rate . Adhesive used for setting the insulation will be non-flammable, vapour proof adhesive		
2.1	Supply Air Duct 19mm thick	4000.000	MT2
2.2	Return Air Duct 13mm thick	4000.000	MT2
	(Measurment as per finished surface only)		
3	ACCESSORIES		
	Supply, Installation & Testing & Commissioning of Diffusers :		
	Four way Supply Air Diffusers of Extruded Aluminium powder-coated complete with VCD (No MS parts): Diffuser should be anti smudge removable core type		
3.1	Diffuser Size: 600mmX600mm, Airflow capacity: 1000 CFM	25.000	Nos
3.2	Diffuser Size: 300mmX300mm, Airflow capacity: 350 CFM	25.000	Nos
4	Four way Return Air Diffusers of Extruded Aluminium powder-coated complete with VCD (No MS parts): Diffuser should be anti smudge removable core type		
4.1	Diffuser Size: 600mmX600mm, Airflow capacity: 1000 CFM	25.000	Nos
4.2	Diffuser Size: 300mmX300mm, Airflow capacity: 350 CFM	25.000	Nos
5	Supply, Installation & Testing & Commissioning of Duct Dampers		
	Low leakage Duct Dampers (suitable for motorised operation) Opposed blade aerofoil construction of extruded Al. for RA riser & duct branches & blades both should be of Al. construction.	40.000	Sq Mtr
6	Supply, Installation & Testing & Commissioning of Fire Dampers		
6.1	Fire Dampers UL-555 listed, 120 minute rating.	22.000	Sq Mtr
6.2	Fusible link / LIMIT SWITCH	57.000	Nos
6	Supply, Installation & Testing & Commissioning of Fire Dampers		

6.1	Fire Dampers UL-555 listed, 120 minute rating.	22.000	Sq Mtr
6.2	Fusible link / LIMIT SWITCH	57.000	Nos
7	MS Material for support, frame, stand etc. (With 2 Coat paint and 1 Coat Primer)	8000.000	Kg
8	DRAIN PIPING with Insulation		
	Supply, installation, testing and commissioning of UPVC drain piping complete with fittings, 'U' traps, supports for below pipe size.		
8.1	40mm Ø	300.000	Mtr
8.2	50mm Ø	300.000	Mtr
9	DUCT MOUTED TEMPERATURE & RH TRANSMITTER		
	Supply, Installation, Testing & Commissioning of Duct Mouted Temperature & RH Transmitter. Power Supply: 24 VDC, Temperature Range: 0°C to 70°C. RH Range: 0% to 100%. RH Accuracy: +/-2%. Temp. Output: 4 to 20 mA/ 0 to 10V. RH Out put: 4 to 20 mA/ 0 to 10V.	51.000	NOS
10	DP TRANSMITTER ACROSS FILTER AND BLOWER	51.000	NOS
	STAND ALONE CONTROLLER		
	Stand alone HVAC controller (for Muti purpose system) with minimum 4 Analog Input, 8 Digital Input, 3 Analog Output and 6 Digital Outputs to be provided. Controller should be provided with modbus RS485 communication facility to communicate with BMS. Controller to be located in Electrical Panel. 1) Controller shall be used for DX/Chilled Water Valve & Heater based on the room Temperature & RH requirement.	51.000	NOS
11	SITC of Magnehelic gauges		
	Magnehelic Gauges for differential pressure measuring in room range 0 to 80 PA with CRCA Powder Coated Box and ss-304, 16 gauge front plate. Probes and tubes at different rooms. (0-60 PA)	280.000	NOS
12	CABLE TRAY/PIPE RACK WITH COVER		
12.1	GI Cable Tray (300X50) mm	200.000	RMT
12.2	GI Cable Tray (150X50) mm	160.000	RMT
12.3	GI Cable Tray (50X20) mm	200.000	RMT

13	Shilded copper control cabling between HVAC panel boards, equipment, controls, cutouts, interlocking, local isolators, etc	1500.000	RMT
14	Earthing: 8 Gauge Copper Earthing cable for AHU equipment & controls.	1500.000	LOT
15	Armoured Aluminium/Copper power FRLS cabling between HVAC equipment/Odu, controls, controllers, HVAC panel boards; including terminations: All Cables XLPE.	1500.000	RMT
16	Supply, Installation, Testing & Commissioning of Terminals Hepa Filters : Standard Gel Seal type miniplete HEPA filter EU-14 of 99.999% efficient as BSEN1822 (bottom loading) ceiling mounted Terminal Box, prob for POA testing & pressure drop measurement SS-304 (18 G)capsule shape perforated plate, Damper, flexible connection , port for DOP testing and pressure drop measurement .		
16.1	610X610 mm - 1000 CFM	100.000	NOS
16.2	450X450 mm - 500 CFM	120.000	NOS
16.3	305X305mm - 250 CFM	80.000	NOS
17	Validation of entire HVAC system including AHUs, & Ventilation units. Including all necessary monitoring of temp./RH/Pressure Gradient with hourly intervals, PAO test,particle count,smoke flow pattern video and duct leakage test with print out of result as per SMACNA standard (DW 144). All validation should be as per ISO 14644 standards.(IF REQUIRED)	1.000	LOT
18	Documentation		
18.1	As-built documentation including but not limited to AHU summary sheet, RCP, AHU zoning, Pressure zoning, Ducting layouts, piping layouts for refrigerant, equipment location, room book		

	DQ, IQ, OQ & PQ Documentation with making complete report with testing for temp., humidity, pressure gradient, class conditions at rest & at operation with all required drawings, data sheets, design basis, technical specifications etc. to compete the report for the approval of competent third party authority. The work shall also includes the preparation of as built drawings as per the actual work execution at site. All above document along with test certificates, readings and as built drawing shall have to be submitted in 3 sets with soft copy of the same.	1.000	LOT
19	Technical Area Ventilation		
	Tube Axial Flow Ventilation Air Fans for technical area/DG Room/STP Room		
	Supply, installation, testing and commissioning of Fire Rated Axial Fans, complete with TEFC motor, drive and vibration spring isolators, flexible connections, bird screen & back draft damper . Motor shall be suitable for $415 \pm 10\%$ volts, 50 cycles, 3 phase AC supply and shall have high efficiency motors. Fan static pressure is mentioned below. The fans should be AMCA certified for air performance & sound ratings. To achieve specified DB levels, sound attenuators of suitable length shall be provided at inlet /outlet of the fans must be included in the cost). The fans ,motors and complete assembly shall be suitable for 300 Deg C for 2 hour fire rating.		
19.1	2500 CFM WITH 20 MM STATIC FOR SERVICE AREA (For Exhaust)	2.000	NOS
19.2	2500 CFM WITH 20 MM STATIC FOR SERVICE AREA (For Supply)	2.000	NOS
20	ELECTRICAL PANEL		
	Design, Supply, Installation, Testing & Commissioning of Dedicated Power Panel (For Ventilation Fans) located near the AHU for HVAC system. The panel should consists of incomer MCCB with appropriate rating, starter with suitable O/L relay, ON/OFF push buttons & ON/OFF/TRIP indicating lamps with control circuitry as per system requirement.	2.000	NOS
21	Ceiling Suspended Inline Ventilation Fans		
21.1	500 CFM With 35 mm static (Supply)	12.000	NOS
21.2	500 CFM With 35 mm static (Exhaust)	12.000	NOS

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Item Rate BoQ

Tender Inviting Authority: FM, Gluconate Health Limited

Name of Work: LABORATORY FURNIURE

Contract No: NIT/PT-44/25-26

Name of the Bidder/ Bidding Firm / Company :		PRICE SCHED	
NUMBER #	TEXT #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units
1	2	4	5
	WASH AREA		
1	Wall Bench-1 Size : L1200 X W750 X H900 mm	1.000	Nos.
	Work Top Natural JetBlack Granite 18 +/- 1 mm thk	9.688	Sq.feet
	M 400 mm wide Storage Cabinet with One Drawer Shutter Combination with one Adjustable shelf	1.000	Nos.
	M 750 mm wide Sink Cabinet with Two Shutter	1.000	Nos.

	PP sink Size: (L 560 x W 355 x D 210) mm with PVC coupler with 1.0 mtr Drain Hose Pipe	1.000	Nos.
	Three Way Swan Neck Type Water Tap with Inlet Pipe and Fittings	1.000	Nos.
	Close Panel	1.000	Nos.
	HOT ROOM		
2	Constant Bypass Bench Fume Hood Size: L1500 X D900 X H2300 mm	1.000	Nos.
	Fume Hood Consist of (Technical Sheet Attached)		
	Fume Hood Super Structure		
	Fume Under Structure		
	Fume Hood Under Structure Cabinets		
	Work Top Natural JetBlack Granite 18 mm thk with All side raised rails		
	Utility Valve		
	PP Damper		
	Electrical Sockets		
3	PP FRP Exhaust fan Blower For Fume hood	1.000	Nos.
	PP FRP Exhaust fan made from PP Sheet		
	1.5 HP , 1440 RPM , 3 phase Class B Induction Motor (Bharat Bijallee or Crompton Make)		

	D.O.L. Starter		
	WET LAB		
4	IB- 1 Size : L3250 X W1800 X H900 mm	1.000	Nos.
	Work Top Natural JetBlack Granite 18 +/- 1 mm thk	62.969	Sq.feet
	M 500 mm wide Storage Cabinet with one Drawer Shutter Combination with one Adjustable shelf	6.000	Nos.
	M 750 mm wide Storage Cabinet with Two Shutter with one Adjustable shelf	4.000	Nos.
	M 750 mm wide Sink Cabinet with Two Shutter	1.000	Nos.
	PP sink Size: (L 560 x W 355 x D 210) mm with PVC coupler with 1.0 mtr Drain Hose Pipe	1.000	Nos.
	Three Way Swan Neck Type Water Tap with Inlet Pipe and Fittings	1.000	Nos.
	Peg Board (PP Peg 20nos.) With S.S Tray for Drain	1.000	Nos.
	Double Sided Two Tier Rack (L2500 X D300 X H650mm)	2.500	mtr.
	Island frame	3.250	mtr.
5	Electrical Socket 6/16 amp (2+2) 6Module	6.000	Nos.
	Rear Close Panel	1.000	Nos.
	G.I Construction Floor Mounted Safety Shower With Eye Wash	1.000	Nos.
	Eye Wash hand held oprated and shower hand lever oprated		

	BALANCE ROOM		
6	Wall Bench-2 Size : L550 X W750 X H900 mm	1.000	Nos.
	Work Top Natural JetBlack Granite 18 +/- 1 mm thk	4.440	Sq.feet
	M 500 mm wide Storage Cabinet with One Drawer Shutter Combination with one Adjustable shelf	1.000	Nos.
	Electrical RaceWay with Internal Wiring	0.550	mtr.
	Electrical Socket 6/16 amp (2+2) 6Module	2.000	Nos.
	Rear Close Panel	2.000	Nos.
7	Anti Vibration Table (AVT) Size: L 750 x W 750 x H 750 mm	2.000	Nos.
	Fabricated out of 1.2 mm thk Galvanized Iron sheet,		
	Structure in 50 x 50 x 2 mm thk hollow pipe const. with epoxy powder coated,		
	Work top in 60 ± 1 mm thick Black Granite construction		
	Work top Mounted On Heavy Duty Anti Vibration Pad.		
	Anti Vibration Table Mounted on Heavy Duty Anti vibration Pad		
	HPLC ROOM		
	Wall Bench-3 Size : L3475 X W750 X H750 mm	1.000	Nos.
	Work Top Natural JetBlack Granite 18 +/- 1 mm thk	28.053	Sq.feet

	M 750 mm wide Storage Cabinet with one Drawer and Two Shutter Combination with one Adjustable shelf	3.000	Nos.
	Leg space without Footrest-600mm	2.000	Nos.
8	Keyboard Tray With Support	2.000	Nos.
	Cable Manager	2.000	Nos.
	Data Socket (Wiring client scope)	2.000	Nos.
	Electrical RaceWay with Internal Wiring	3.475	mtr.
	Electrical Socket 6/16 amp (2+2) 6Module	5.000	Nos.
	Close Panel	1.000	Nos.
9	Corner Bench - 1 Size : L1030 X W1030 X H750 mm	1.000	Nos.
	Work Top Natural JetBlack Granite 18 +/- 1 mm thk	11.419	Sq.feet
	M 1030 mm wide Storage Cabinet with One Shutter Corner Module	1.000	Nos.
	Electrical RaceWay with Internal Wiring	2.060	mtr.
	Electrical Socket 6/16 amp (2+2) 6Module	2.000	Nos.
	Wall Bench-4 Size : L1671 X W750 X H750 mm	1.000	Nos.
	Work Top Natural JetBlack Granite 18 +/- 1 mm thk	13.490	Sq.feet
	M 500 mm wide Storage Cabinet with one Drawer Shutter Combination with one Adjustable shelf	2.000	Nos.
	Leg space without Footrest-600mm	1.000	Nos.

10	Keyboard Tray With Support	1.000	Nos.
	Cable Manager	1.000	Nos.
	Data Socket (Wiring client scope)	1.000	Nos.
	Electrical RaceWay with Internal Wiring	1.671	mtr.
	Electrical Socket 6/16 amp (2+2) 6Module	2.000	Nos.
	Close Panel	1.000	Nos.
	INSTRUMENT ROOM		
11	Wall Bench-5 Size : L3475 X W750 X H750 mm	1.000	Nos.
	Work Top Natural JetBlack Granite 18 +/- 1 mm thk	28.053	Sq.feet
	M 750 mm wide Storage Cabinet with one Drawer and Two Shutter Combination with one Adjustable shelf	3.000	Nos.
	Leg space without Footrest-600mm	2.000	Nos.
	Keyboard Tray With Support	2.000	Nos.
	Cable Manager	2.000	Nos.
	Data Socket (Wiring client scope)	2.000	Nos.
	Electrical RaceWay with Internal Wiring	3.475	mtr.
	Electrical Socket 6/16 amp (2+2) 6Module	5.000	Nos.
	Close Panel	1.000	Nos.

12	Corner Bench - 2 Size : L1030 X W1030 X H750 mm	1.000	Nos.
	Work Top Natural JetBlack Granite 18 +/- 1 mm thk	11.419	Sq.feet
	M 1030 mm wide Storage Cabinet with One Shutter Corner Module	1.000	Nos.
	Electrical RaceWay with Internal Wiring	2.060	mtr.
	Electrical Socket 6/16 amp (2+2) 6Module	2.000	Nos.
13	Wall Bench-6 Size : L1537 X W750 X H750 mm	1.000	Nos.
	Work Top Natural JetBlack Granite 18 +/- 1 mm thk	13.490	Sq.feet
	M 450 mm wide Storage Cabinet with one Drawer Shutter Combination with one Adjustable shelf	2.000	Nos.
	Leg space without Footrest-600mm	1.000	Nos.
	Keyboard Tray With Support	1.000	Nos.
	Cable Manager	1.000	Nos.
	Data Socket (Wiring client scope)	1.000	Nos.
	Electrical RaceWay with Internal Wiring	1.537	mtr.
	Electrical Socket 6/16 amp (2+2) 6Module	2.000	Nos.
	Close Panel	1.000	Nos.
	DISSOLUTION ROOM		
	Wall Bench-7 Size : L3475 X W750 X H750 mm	1.000	Nos.

14	Work Top Natural JetBlack Granite 18 +/- 1 mm thk	28.053	Sq.feet
	M 750 mm wide Storage Cabinet with one Drawer and Two Shutter Combination with one Adjustable shelf	3.000	Nos.
	Leg space without Footrest-600mm	2.000	Nos.
	Keyboard Tray With Support	2.000	Nos.
	Cable Manager	2.000	Nos.
	Data Socket (Wiring client scope)	2.000	Nos.
	Electrical RaceWay with Internal Wiring	3.475	mtr.
	Electrical Socket 6/16 amp (2+2) 6Module	5.000	Nos.
	Close Panel	1.000	Nos.
15	Corner Bench-3 Size : L1030 X W1030 X H750 mm	1.000	Nos.
	Work Top Natural JetBlack Granite 18 +/- 1 mm thk	11.419	Sq.feet
	M 1030 mm wide Sink Cabinet with Two Shutter Corner Module	1.000	Nos.
	PP sink Size: (L 560 x W 355 x D 210) mm with PVC coupler with 1.0 mtr Drain Hose Pipe	1.000	Nos.
	Three Way Swan Neck Type Water Tap with Inlet Pipe and Fittings	1.000	Nos.
	Electrical RaceWay with Internal Wiring	2.060	mtr.
	Wall Bench-8 Size : L768 X W750 X H750 mm	1.000	Nos.
	Work Top Natural JetBlack Granite 18 +/- 1 mm thk	6.200	Sq.feet

16	M 750 mm wide Storage Cabinet with one Drawer and Two Shutter Combination with one Adjustable shelf	1.000	Nos.
	Electrical RaceWay with Internal Wiring	0.768	mtr.
	Electrical Socket 6/16 amp (2+2) 6Module	1.000	Nos.
	Close Panel	1.000	Nos.
JANITOR			
17	Wall Bench-9 Size : L1498 X W750 X H900 mm	1.000	Nos.
	Work Top Natural JetBlack Granite 18 +/- 1 mm thk	12.093	Sq.feet
	M 600 mm wide Storage Cabinet with one Drawer and Two Shutter Combination with one Adjustable shelf	1.000	Nos.
	M 750 mm wide Sink Cabinet with Two Shutter	1.000	Nos.
	PP sink Size: (L 560 x W 355 x D 210) mm with PVC coupler with 1.0 mtr Drain Hose Pipe	1.000	Nos.
	Three Way Swan Neck Type Water Tap with Inlet Pipe and Fittings	1.000	Nos.
	Electrical RaceWay with Internal Wiring	1.498	mtr.
	Electrical Socket 6/16 amp (2+2) 6Module	1.000	Nos.
	Close Panel	1.000	Nos.
	QC MANAGER		
	Wall Bench-10 Size : L 1525 X W600 X H750 mm	1.000	Nos.

18

Work Top Natural JetBlack Granite 18 +/- 1 mm thk	9.849	Sq.feet
M 500 mm wide Storage Cabinet with one Drawer Shutter Combination with one Adjustable shelf	1.000	Nos.
Leg space without Footrest-600mm	1.000	Nos.
Keyboard Tray With Support	1.000	Nos.
Cable Manager	1.000	Nos.
Data Socket (Wiring client scope)	1.000	Nos.
Telephone Socket (Wiring client scope)	1.000	Nos.
Pipe Panel in Double Skin Construction	1.000	Nos.
Granite Support Frame	1.000	Nos.
Electrical RaceWay with Internal Wiring	1.500	mtr.
Electrical Socket 6/16 amp (2+2) 6Module	2.000	Nos.
Back Side Close Panel	1.000	Nos.
Rear Close Panel	1.000	Nos.
Wall Bench- 10A Size : L 900 X W400 X H750 mm	1.000	Nos.
Work Top Natural JetBlack Granite 18 +/- 1 mm thk	3.875	Sq.feet
M 900 mm wide Storage Cabinet with Two Shutter Combination with one Adjustable shelf	1.000	Nos.
QC STAFF AREA		

20	Wall Bench-11 Size : L1990 X W650 X H750 mm	1.000	Nos.
	Work Top Natural JetBlack Granite 18 +/- 1 mm thk	13.923	Sq.feet
	M 600 mm wide Storage Cabinet with one Drawer and Two Shutter Combination with one Adjustable shelf	1.000	Nos.
	Leg space without Footrest-600mm	2.000	Nos.
	Keyboard Tray With Support	2.000	Nos.
	Cable Manager	2.000	Nos.
	Data Socket (Wiring client scope)	2.000	Nos.
	Pipe Panel in Double skin construction	2.000	Nos.
	Electrical RaceWay with Internal Wiring	1.990	mtr.
	Electrical Socket 6/16 amp (2+2) 6Module	2.000	Nos.
21	Close Panel	1.000	Nos.
	Corner Bench - 4 Size : L930 X W930 X H750 mm	1.000	Nos.
	Work Top Natural JetBlack Granite 18 +/- 1 mm thk	9.310	Sq.feet
	M 930 mm wide Storage Cabinet with One Shutter Corner Module	1.000	Nos.
	Electrical RaceWay with Internal Wiring	1.860	mtr.
	Electrical Socket 6/16 amp (2+2) 6Module	2.000	Nos.
	Wall Bench-12 Size : L1206 X W650 X H750 mm	1.000	Nos.

22

Work Top Natural JetBlack Granite 18 +/- 1 mm thk	8.438	Sq.feet
M 500 mm wide Storage Cabinet with one Drawer Shutter Combination with one Adjustable shelf	1.000	Nos.
Leg space without Footrest-600mm	1.000	Nos.
Keyboard Tray With Support	1.000	Nos.
Cable Manager	1.000	Nos.
Data Socket (Wiring client scope)	1.000	Nos.
Pipe Panel in Double skin construction	1.000	Nos.
Electrical RaceWay with Internal Wiring	1.206	mtr.
Electrical Socket 6/16 amp (2+2) 6Module	2.000	Nos.
Close Panel	1.000	Nos.

SAMPLE RECEIVING MICRO OFFICE

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Wall Bench-13 Size : L3963 X W700 X H750mm	1.000	Nos.
Work Top Natural JetBlack Granite 18 +/- 1 mm thk	29.860	Sq.feet
M 500 mm wide Storage Cabinet with one Drawer Shutter Combination with one Adjustable shelf	4.000	Nos.
Leg space without Footrest-600mm	3.000	Nos.
Key board Tray With Support	3.000	Nos.
Cable Manager	3.000	Nos.

Data Socket (Wiring client scope)	3.000	Nos.
Electrical RaceWay with Internal Wiring	3.963	mtr.
Electrical Socket 6/16 amp (2+2) 6Module	5.000	Nos.
Close Panel	1.000	Nos.
IPQC/OFFICE		
Wall Bench-14 Size : L1688 X W750 X H750 mm	1.000	Nos.
Work Top Natural JetBlack Granite 18 +/- 1 mm thk	13.627	Sq.feet
M 500 mm wide Storage Cabinet with one Drawer Shutter Combination with one Adjustable shelf	2.000	Nos.
Leg space without Footrest-600mm	1.000	Nos.
Keyboard Tray With Support	1.000	Nos.
Cable Manager	1.000	Nos.
Data Socket (Wiring client scope)	1.000	Nos.
Electrical RaceWay with Internal Wiring	1.688	mtr.
Electrical Socket 6/16 amp (2+2) 6Module	2.000	Nos.
Close Panel	1.000	Nos.
Corner Bench-5 Size : L1030 X W1030 X H750 mm	1.000	Nos.
Work Top Natural JetBlack Granite 18 +/- 1 mm thk	11.419	Sq.feet

25	M 1030 mm wide Sink Cabinet with Two Shutter Corner Module	1.000	Nos.
	PP sink Size: (L 560 x W 355 x D 210) mm with PVC coupler with 1.0 mtr Drain Hose Pipe	1.000	Nos.
	Three Way Swan Neck Type Water Tap with Inlet Pipe and Fittings	1.000	Nos.
	Electrical RaceWay with Internal Wiring	2.060	mtr.
26	Wall Bench-15 Size : L1703 X W750 X H750 mm	1.000	Nos.
	Work Top Natural JetBlack Granite 18 +/- 1 mm thk	13.748	Sq.feet
	M 500 mm wide Storage Cabinet with one Drawer Shutter Combination with one Adjustable shelf	2.000	Nos.
	Leg space without Footrest-600mm	1.000	Nos.
	Keyboard Tray With Support	1.000	Nos.
	Cable Manager	1.000	Nos.
	Data Socket (Wiring client scope)	1.000	Nos.
	Electrical RaceWay with Internal Wiring	1.703	mtr.
	Electrical Socket 6/16 amp (2+2) 6Module	2.000	Nos.
	Close Panel	1.000	Nos.
	STANDARD STORAGE ROOM		
	Glassware Storage Cabinet GSC Size: L900 x D450 X H 1830 mm	2.000	Nos.
	Storage cabinet outer body made from GI sheet Powder Coated		

27	Front Doors In Toughen Glass Constructions		
	One nos. Fixed Partition		
	SS 304 Handles		
	Hettich make Lock		
	SS Butt Hinges With Positive catch		
28	Four nos. Removable Shelf		
	CHEMICAL & GLASSWARE STORE		
	Glassware Storage Cabinet GSC Size: L1000 x D450 X H 1830 mm	3.000	Nos.
	Storage cabinet outer body made from GI sheet Powder Coated		
	Front Doors In Toughen Glass Constructions		
	One nos. Fixed Partition		
	SS 304 Handles		
	Hettich make Lock		
	SS Butt Hinges With Positive catch		
	Four nos. Removable Shelf		
	Chemical Storage Cabinet (CSC) Size: L 1000 x D 450 x H 1830mm	3.000	Nos.
- Outer frame in aluminum anodized construction			

	- Outer body in GI epoxy powder coated construction		
29	- Inner Skin / Baffles in 5mm Thk. PP/3mm Phenolic Resine construction sheet on shelves.		
	- Special arrangement for ventilation from each shelf,		
	- Double skin metallic doors with Lock, Nylon Hinges, SS handles with Four nos. Removable Shelf		
	- 100mm dia. Duct damper in PP construction		
30	Inline PP Blower 4 Inch Dia. 3 No for Chemical Storage	1.000	Nos.
	RETAIN SAMPLE ROOM		
	Slotted Angle Rack Size: L 1000 X D 450 X H 1830	8.000	Nos.
	Vertical Memer made from Galvinised iron Sheet in 16 gauge thickness		
31	4 Nos. Adjustable shelf in 20 gauge thickness		
	Top and Botom made from 20 gauge Thickness		
	All Hardware use SS 304 Only.		
	QC FEMALE CHANGE ROOM (GF055)		
	Cross Over Bench Size : L 1408 X W300 X H550 mm	1.000	Nos.
32	Cross Over bench Made from S.S 304 in 1 mm thickess in plastic coated matt finish sheet		
	S Type Design		

	QC MALE CHANGE ROOM (GF054)		
33	Cross Over Bench Size : L 1727 X W300 X H550 mm	1.000	Nos.
	Cross Over bench Made from S.S 304 in 1 mm thickness in plastic coated matt finish sheet		
	S Type Design		
	SAMPLE RECEIVE		
34	Slotted Angle Rack Size: L 1000 X D 450 X H 1830	2.000	Nos.
	Vertical Memer made from Galvinised iron Sheet in 16 gauge thickness		
	4 Nos. Adjustable shelf in 20 gauge thickness		
	Top and Botom made from 20 gauge Thickness		
	All Hardware use SS 304 Only.		
	DOCUMENT STORE		
35	File Storage Cabinet Size : L 900 X W 450 X H 1830mm	7.000	Nos.
	Storage cabinet outer body made from GI sheet Powder Coated		
	Front Doors In Toughen Glass Constructions		
	Three nos. Fixed Partition		
	SS 304 Handles		
	Hettich make Lock		

	SS Butt Hinges With Positive catch		
	MICRO MALE CHANGE ROOM (GF076)		
36	Cross Over Bench Size : L 1328 X W300 X H550 mm	1.000	Nos.
	Cross Over bench Made from S.S 304 in 1 mm thickness in plastic coated matt finish sheet		
	S Type Design		
	MICRO FEMALE CHANGE ROOM (GF077)		
37	Cross Over Bench Size : L 1127 X W300 X H550 mm	1.000	Nos.
	Cross Over bench Made from S.S 304 in 1 mm thickness in plastic coated matt finish sheet		
	S Type Design		
	MEDIA CULTURE		
38	Glassware Storage Cabinet GSC Size: L900 x D450 X H 1830 mm	4.000	Nos.
	Storage cabinet outer body made from GI sheet Powder Coated		
	Front Doors In Toughen Glass Constructions		
	One nos. Fixed Partition		
	SS 304 Handles		
	Hettich make Lock		
	SS Butt Hinges With Positive catch		

	Four nos. Removable Shelf		
	GLASSWARE STORE		
39	Glassware Storage Cabinet GSC Size: L900 x D450 X H 1830 mm	4.000	Nos.
	Storage cabinet outer body made from GI sheet Powder Coated		
	Front Doors In Toughen Glass Constructions		
	One nos. Fixed Partition		
	SS 304 Handles		
	Hettich make Lock		
	SS Butt Hinges With Positive catch		
	Four nos. Removable Shelf		
	FEMALE CHANGE ROOM 2 (GF005)		
40	Cross Over Bench Size : L 1883 X W300 X H550 mm	1.000	Nos.
	Cross Over bench Made from S.S 304 in 1 mm thickness in plastic coated matt finish sheet		
	S Type Design		
	PERSONAL AIRLOCK (GF009)		
41	Cross Over Bench Size : L 1196 X W300 X H550 mm	1.000	Nos.
	Cross Over bench Made from S.S 304 in 1 mm thickness in plastic coated matt finish sheet		

	S Type Design		
	MALE CHANGE ROOM 2 (GF003)		
42	Cross Over Bench Size : L 1820 X W300 X H550 mm	1.000	Nos.
	Cross Over bench Made from S.S 304 in 1 mm thickness in plastic coated matt finish sheet		
	S Type Design		
	PERSONAL AIRLOCK (GF014)		
43	Cross Over Bench Size : L 1202 X W300 X H550 mm	1.000	Nos.
	Cross Over bench Made from S.S 304 in 1 mm thickness in plastic coated matt finish sheet		
	S Type Design		
	PERSONAL AIRLOCK (GF016)		
44	Cross Over Bench Size : L 1202 X W300 X H550 mm	1.000	Nos.
	Cross Over bench Made from S.S 304 in 1 mm thickness in plastic coated matt finish sheet		
	S Type Design		
	PERSONAL AIRLOCK (GF018)		
45	Cross Over Bench Size : L 1202 X W300 X H550 mm	1.000	Nos.
	Cross Over bench Made from S.S 304 in 1 mm thickness in plastic coated matt finish sheet		

	S Type Design		
	PERSONAL AIRLOCK (GF020)		
46	Cross Over Bench Size : L 1204 X W300 X H550 mm	1.000	Nos.
	Cross Over bench Made from S.S 304 in 1 mm thickness in plastic coated matt finish sheet		
	S Type Design		
	PERSONAL AIRLOCK (GF022)		
47	Cross Over Bench Size : L 1202 X W300 X H550 mm	1.000	Nos.
	Cross Over bench Made from S.S 304 in 1 mm thickness in plastic coated matt finish sheet		
	S Type Design		
	PERSONAL AIRLOCK (GF026)		
48	Cross Over Bench Size : L 1197 X W300 X H550 mm	1.000	Nos.
	Cross Over bench Made from S.S 304 in 1 mm thickness in plastic coated matt finish sheet		
	S Type Design		
	PERSONAL AIRLOCK (GF031)		
49	Cross Over Bench Size : L 1197 X W300 X H550 mm	1.000	Nos.
	Cross Over bench Made from S.S 304 in 1 mm thickness in plastic coated matt finish sheet		

	S Type Design		
	PERSONAL AIRLOCK (GF034)		
50	Cross Over Bench Size : L 1205 X W300 X H550 mm	1.000	Nos.
	Cross Over bench Made from S.S 304 in 1 mm thickness in plastic coated matt finish sheet		
	S Type Design		
	PERSONAL AIRLOCK (GF035)		
51	Cross Over Bench Size : L 1305 X W300 X H550 mm	1.000	Nos.
	Cross Over bench Made from S.S 304 in 1 mm thickness in plastic coated matt finish sheet		
	S Type Design		
	PERSONAL AIRLOCK (GF039)		
52	Cross Over Bench Size : L 1197 X W300 X H550 mm	1.000	Nos.
	Cross Over bench Made from S.S 304 in 1 mm thickness in plastic coated matt finish sheet		
	S Type Design		
	PERSONAL AIRLOCK (GF040)		
53	Cross Over Bench Size : L 1200 X W300 X H550 mm	1.000	Nos.
	Cross Over bench Made from S.S 304 in 1 mm thickness in plastic coated matt finish sheet		

	S Type Design		
	PERSONAL AIRLOCK (GF081)		
54	Cross Over Bench Size : L 1761 X W300 X H550 mm	1.000	Nos.
	Cross Over bench Made from S.S 304 in 1 mm thickness in plastic coated matt finish sheet		
	S Type Design		
	PERSONAL AIRLOCK (GF097)		
55	Cross Over Bench Size : L 1328 X W300 X H550 mm	1.000	Nos.
	Cross Over bench Made from S.S 304 in 1 mm thickness in plastic coated matt finish sheet		
	S Type Design		
	PERSONAL AIRLOCK (GF098)		
56	Cross Over Bench Size : L 1423 X W300 X H550 mm	1.000	Nos.
	Cross Over bench Made from S.S 304 in 1 mm thickness in plastic coated matt finish sheet		
	S Type Design		

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Item Rate BoQ

Tender Inviting Authority: FM , Gluconate Health Limited

Name of Work: PLUMBING

Contract No: NIT/PT-44/25-26

Name of the Bidder/ Bidding Firm / Company :
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PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant c Name and Values only)

NUMBER #	TEXT #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units
1	2	4	5
A1	HDPE PIPE AND ACCESSORIES		
1	Laying and jointing HDPE pipe in proper position by coupler sockets /butt fusion jointing procedure including hydraulic testing as per relevant IS Code complete with all materials for jointing procedures like butt fusion welding machine with hydraulic jack, top loading clamp etc. pump and accessories for hydraulic testing and all labours as directed by engineer in charge as confirming to IS - 7634. Lowering and laying of HDPE Pipes @ slope of 0.6 % including testing		

a	4 " HDPE PIPE	400	RMT
b	6 " HDPE PIPE	150	RMT
c	8 " HDPE PIPE	200	RMT
2	SITC of Floor Drain Traps (cGMP) for Clean Room Manufacturing applications	55	Nos
	Round Shape Drain Trap		
	Features:		
	MOC: SS Trap		
	Design : cGMP (DoubleSeal Round)		
	Size : 100 mm Dia.		
	Finish : chemically descaled (acid pickled) in order to enhance the natural corrosion resistance and provide a uniform matt finish .		
	Easy to clean as the top cover and bottom collection bowl are removable & Flange end Outlet Connection (Civil Work & core cutting in Client Scope)		
3	SITC of HDPE 90° Elbows		
a	100 mm	120	Nos
b	150 mm	40	Nos
c	200 mm	30	Nos
4	SITC of HDPE 90° Single Plain Tee		
a	100 mm	30	Nos

b	150 mm	15	Nos
c	200 mm	10	Nos
5	SITC of HDPE Eccentric Reducer		
a	150 X 100 mm	10	Nos
b	200 X 150 mm	10	Nos
6	SITC of HDPE 90° Y-Type Single Plain Tee 45 Deg.	15	Nos
7	Piping Hanger Support including 8mm Anchor Faster, Thread rod, nut,bolts, washer etc. as required (space between to support to be 2 m (max.)) as required	1	Lot
8	Piping "U" Clamp Support along with wall including set of Screw etc. as required	1	Lot
9	HDPE Slip-on Type Flanges		
a	100 NB	100	Nos
b	150 NB	60	Nos
c	200 NB	40	Nos
10	Pre Cut Ring gaskets, CAF gaskets, 3mm thk., suitable for insertion between raised face of ANSI B16.5, Temp. 25° to 140°C, ASA 150# rating Flanges.		
a	100 NB	100	Nos
b	150 NB	60	Nos
c	200 NB	40	Nos

11	HDPE Hexagonal Headed,Bolts & Nuts with double washers		
a	M20 x 85L	1	Lot
b	M16 x 75L	1	Lot
12	Water Leakage Testing & Cleaning.(Hydrotest)	1	Lot
B1	PVC PIPE AND ACCESSORIES		
1	Supply and fixing of PVC waste pipes jointed with rubber ring with good quality lubricant for joints. As per IS - 13592-1992 for pipes and IS 14735 for fittings, inclusive of all necessary specials like bends, tees, offsets, junctions, pan connector, cowls etc., laid under floor/under ceiling/on walls with suitable clamps and specials curing etc.		
a	4 " PVC PIPE	150	RMT
b	6 " PVC PIPE	120	RMT
b	8 " PVC PIPE	1	RMT
2	Providing & fixing 4" PVC drain trap (NT) including embedding trap in C.C. and jointing it to P.V.C. waste stack all as per slope,grade making inlet in neat cement finish including providing & fixing 100 mm dia. C.P. brass grating all as directed.	20	Nos
3	SITC of PVC 90° Elbows		
a	100 mm	20	Nos
b	150 mm	20	Nos
c	200 mm	1	Nos

4	SITC of PVC 90° Single Plain Tee		
a	100 mm	15	Nos
b	150 mm	15	Nos
c	200 mm	1	Nos
5	SITC of PVC 90° Y-Type Single Plain Tee 45 Deg.	5	Nos
6	Piping Hanger Support including 8mm Anchor Faster, Thread rod, nut,bolts, washer etc. as required (space between to suport to be 2 m (max.)) as required	1	Lot
7	Piping "U" Clamp Support along with wall including set of Screw etc. as required	1	Lot
C1	SS PIPE AND ACCESSORIES		
1	Supply installation testing and comissioning of 4" SS Pharmaceutical Grade Drain. These drains should made from Stainless Steel AISI 304 (EN 1.4301) / AISI 316 (EN 1.4401 / 1.4404). The drain is equipped with a seal which bars materials and insects from entering in to the sterile areas. The trap include top removable SS cover also.		
a	4 " SS PIPE	80	RMT
b	6 " SS PIPE	1	RMT
b	8 " SS PIPE	1	RMT
2	SITC of SS 90° Elbows		
a	100 mm	15	Nos
b	150 mm	1	Nos

c	200 mm	1	Nos
3	SITC of SS 90o Single Plain Tee		
a	100 mm	5	Nos
b	150 mm	1	Nos
c	200 mm	1	Nos
4	Piping Hanger Support including 8mm Anchor Faster, Thread rod, nut,bolts, washer etc. as required (space between to suport to be 2 m (max.)) as required	1	Lot
5	Piping "U" Clamp Support along with wall including set of Screw etc. as required	1	Lot

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Item Rate BoQ

Tender Inviting Authority: FM, Gluconate Health Limited

Name of Work: PU Flooring

Contract No: NIT/PT-44/25-26

Name of the Bidder/ Bidding Firm / Company :		PRICE SCH	
NUMBER #	TEXT #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units
1	2	4	5
1	PU Flooring (With Installation)		
	<ul style="list-style-type: none">➤ Surface preparing by removing of dust, oil, grease, unwanted cements etc. through heavy-duty grinding machine for exposing the micro-pores on concrete.➤ Groove cutting and anchoring on the floor.➤ Filling of control joints, holes, and uneven surfaces through epoxy mortar.➤ Applying of primer at 200 mic with broadcasting of sand and let it cure for 12 hrs.➤ Applying of Final PU Concrete 4000 mic evenly with notched trowel and removal of Air with spike trowel and let it cure for 72 hrs.		
1.1	4mm PU Flooring	1600.000	Sq Mtr
1.2	4"X4" Coving	1500.000	RMT
1.3	Pensil Coving for other areas	500.000	RMT

Item Rate BoQ

Tender Inviting Authority: FM , Gluconate Health Limited

Name of Work: P.W Pipeline

Contract No: NIT/PT-44/25-26

Name of the Bidder/ Bidding Firm / Company		PRICE SC	
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling Bidder Name and other details)			
NUMBER #	TEXT #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units
1	2	4	5
1	PW Piping Variable 2"		
1	Tube make SS316 L, 2"x 16 SWG Inside RA<0.4,Outside Matt Finish.	400.000	Meter
2	Tube make SS316 L, 1.5"x 16 SWG Inside RA<0.4,Outside Matt Finish.	300.000	Meter
3	Tube make SS316 L, 1"x 16 SWG Inside RA<0.4,Outside Matt Finish.	200.000	Meter
4	Bend 316L, 2"x 90 PL Inside RA<0.4,Outside Matt Finish.	150.000	Nos
5	Bend 316L, 1.5"x 90 PL Inside RA<0.4,Outside Matt Finish.	150.000	Nos
6	Bend 316L, 1"x 90 PL Inside RA<0.4,Outside Matt Finish.	150.000	Nos
7	2" TC liner, SS 316L	120.000	Nos
8	1.5" TC liner, SS 316L	200.000	Nos
9	1" TC liner, SS 316L	120.000	Nos
10	TC Clamp 2", (Investment Casting) - SS 304	60.000	Nos

11	TC Clamp 1.5", (Investment Casting) - SS 304	100.000	Nos
12	TC Clamp 1", (Investment Casting) - SS 304	60.000	Nos
13	Silicon Gaskets 2"	120.000	Nos
14	Silicon Gaskets 1.5"	200.000	Nos
15	Silicon Gaskets 1"	120.000	Nos
16	Manual Operated Zero Dead Leg Valves for Loop, 2", Invest Cast Body, SS316L, EPDM Diaphragm.	85.000	Nos
17	Manual Operated Zero Dead Leg Valves for Loop, 1.5", Invest Cast Body, SS316L, EPDM Diaphragm.	1.000	Nos
18	Manual Operated Zero Dead Leg Valves for Loop, 1", Invest Cast Body, SS316L, EPDM Diaphragm.	1.000	Nos
19	Pipe Support assembly 304 2" BSP at service floor area	120.000	Nos
20	Pipe Support assembly 304 1.5" BSP at service floor area	200.000	Nos
21	Pipe Support assembly 304 1" BSP at service floor area	120.000	Nos
II	PW Installation Charges		
1	Laying Of Pipe Fixing charges-2"OD	400.000	Mtr
2	joint Preparation Charges-Orbital welding 2"OD	120.000	Nos
3	Laying Of Pipe Fixing charges-1.5"OD	400.000	Mtr
4	joint Preparation Charges-Orbital welding 1.5"OD	120.000	Nos
5	Laying Of Pipe Fixing charges-1"OD	200.000	Mtr
6	joint Preparation Charges-Orbital welding 1"OD	100.000	Nos
7	Documentation charges	1.000	Lot
8	Hydrotest Charges	1.000	Lot
9	Passivation Charges	1.000	Lot
10	Boroscopy charges-10% Of Total Nos Of Joints.	2.000	Lot
11	Site Mobilization Charges	1.000	Lot

Item Rate BoQ

Tender Inviting Authority: FM , Gluconate Health Limited

Name of Work: RO PIPING

Contract No: NIT/PT-44/25-26

Name of the Bidder/ Bidding Firm / Company :	<u>PRICE SCH</u>
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling it Bidder Name and	

NUMBER #	TEXT #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units
1	2	4	5
I	RO Piping Variable 1.5"		
1	Tube make SS 304, 1.5"x 16 SWG	500.000	Meter
2	Tube make SS 304, 1"x 16 SWG	300.000	Meter
3	Bend 304, 1.5"x 90 PL	150.000	Nos
4	Bend 304, 1"x 90 PL	100.000	Nos
5	1.5" TC liner, SS 304	200.000	Nos
6	1" TC liner, SS 304	150.000	Nos
7	TC Clamp 1.5", (Investment Casting) - SS 304	150.000	Nos
8	Silicon Gaskets 1.5"	300.000	Nos
9	Silicon Gaskets 1"	150.000	Nos
10	Manual Operated Zero Dead Leg Valves for Loop, 1.5", Invest Cast Body, SS316L, EPDM Diaphragm.	55.000	Nos
11	Pipe Support assembly 304 1.5" BSP at service floor area	330.000	Nos
II	PW Installation Charges		
1	Laying Of Pipe Fixing charges-1.5"OD	500.000	Mtr
2	Joint Preparation Charges-Orbital welding 1.5"OD	300.000	Nos
3	Laying Of Pipe Fixing charges-1"OD	300.000	Mtr
4	Joint Preparation Charges-Orbital welding 1"OD	150.000	Nos
5	Documentation charges	1.000	Lot
6	Hydrotest Charges	1.000	Lot
7	Passivation Charges	1.000	Lot
8	Boroscopy charges-10% Of Total Nos Of Joints.	2.000	Lot
9	Site Mobilization Charges	1.000	Lot

Tender Inviting Authority: FM , Gluconate Health Limited

Name of Work: LOW PRESSURE STEAM

Contract No: NIT/PT-44/25-26

Name of the Bidder/ Bidding Firm / Company :		PR	
NUMBER #	TEXT #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units
1	2	4	5
1	Pipes (in Mtrs) : Steel Pipes designed to IS 1239 ERW 'C' Class , Pipe ends to be bevelled	240.000	Mtr
		200.000	Mtr
		100.000	Mtr
		1.000	Mtr
		100.000	Mtr
		1.000	Mtr
2	Flanges : Carbon Steel forged flanges of ASTM - A - 105 Slip On Type,Serrated Finish,Raised face Dimensional Suitability to ANSI B 16.5 Flanges to suit ASA 150# pressure Rating	6.000	Nos
		12.000	Nos
		1.000	Nos
		1.000	Nos
		24.000	Nos
		1.000	Nos

3	Gaskets : Ring type gaskets of CAF Permanite Oil, Suitable for insertion between ANSI B 16.5, Raised face, ASA 150 # rated flanges, (Make: Champion)	12.000	Nos
		24.000	Nos
		1.000	Nos
		1.000	Nos
		24.000	Nos
		1.000	Nos
4	REDUCER-ERW C Class Dimensional suitability to ANSI B 16.9 Ends to be Butt weld type	4.000	Nos
		4.000	Nos
		4.000	Nos
5	Elbows 90 o- Long radius (R-1.5D) : Carbon steel 90o Elbows, ERW C Class Dimensional suitability to ANSI B 16.9 Ends to be Butt weld type	20.000	Nos
		30.000	Nos
		30.000	Nos
		1.000	Nos
		30.000	Nos
		1.000	Nos
6	Globe valve / Piston Valve : Body:SA 105 ,SS internals End Connections flanged to ASA 150#	5.000	Nos
		4.000	Nos
		4.000	Nos
		1.000	Nos
		12.000	Nos
		1.000	Nos
7	Nuts & Bolts : Carbon steel black machined hexagonal headed bolts, fully threaded with hexagonal nuts & a pair of washers. Material to <small>ASTM A 403 Gr. B7 and ASTM A 454 Gr. 24</small>	100.000	Set.

	ASTM A 193 Gr. B7 and ASTM A 154 Gr.24	100.000	Set.
		1.000	Nos
8	Air vent assembly : ASTM A 105 body, ASTM A 276 valve seat with inbuilt screen, air bottle, Screwed to BSPT with Isolation ball valve (SA 105) CS ,stand pipe ,IS 1239 'H' Class	5.000	Nos
9	Insulation for piping : Insulation of all pipelines with Rock Wool density 85 Kg/Cum for Temp. 65- 399 DEG.C Complete with Al Cladding of 24 SWG Mineral wool (Minrock/rockwool)	250.000	Mtr
		210.000	Mtr
		110.000	Mtr
		1.000	Mtr
		110.000	Mtr
		1.000	Mtr
10	steam trap:-Cl ,Screw End	19.000	Nos
11	Pressure gauge : Bourden type, 100mm Dial, 0-200 PS 1, With syphon pipe & cock, (Makes : H- Guru)	4.000	Nos

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Item Rate BoQ

Tender Inviting Authority: FM ,Gluconate Health Limited

Name of Work: VRV BOQ

Contract No: NIT/PT-44/25-26

Name of the Bidder/ Bidding Firm / Company :	
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PRICE SCHEDULE

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NUMBER #	TEXT #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units
1	2	4	5
1	AIR COOLED VRV/VRF Outdoor Units		
	Comprising of Following :		
	Supplying, installing, testing and commissioning of Modular type Variable Refrigerant Flow/ Variable Refrigerant Volume air cooled Outdoor units suitable for cooling and heating, having all hermetically sealed inverter type Scroll Compressor(s), minimum two compressors for above14HP modules, microprocessor based Controller, topdischarge type condensing unit(s), withR 410A Refrigerant, vibration isolators, with suitable foundation etc. complete as required.The unit shall deliver the rated capacity at AHRI Conditions and work evenat 50°C ambient temperature without tripping.The unit shall be suitable to work on 400V+/-10%, 3Phase, 50Hz AC power supply.The unit shall be filled with first charge of the refrigerant and ready for use as required. The COP at AHRI conditions shall not be less than 3.1 and IEER not less than 6.5		
	Unit should be floor mounted in MS Stand along with proper isolators and support		
a	20 HP (Multi Compressor)	3.000	Nos

2	Indoor 4-Way Type Cassette Unit		
	Supply, installation, testing and commissioning of following minimum capacity 4-way flow VRV/VRF CassetteType Indoor ceiling mounted unit equipped with synthetic washable media pre-filter,fan section with low noise fan/dynamically balanced blower,multi speed motor,coil section with DX Copper coil,electronic expansion valve,outer cabinet, drain pump, grill, necessary supports,vibration isolation,cordless remote control etc., suitable for operationon single phase230V±10%,50Hz AC supply,complete,as required.		
A	0.8 TR COMPACT 4 WAY CASSETTE (COMPACT TYPE)	15.000	Nos
B	1.0 TR COMPACT 4 WAY CASSETTE (COMPACT TYPE)	14.000	Nos
C	1.6 TR 4 WAY CASSETTE	2.000	Nos
D	2.6 TR 4 WAY CASSETTE	2.000	Nos
E	3.2 TR 4 WAY CASSETTE	5.000	Nos
3	COPPER VRV PIPING		
	Supply, Installation, testing and commissioning including vaccumiazation and Nitrogen testing of following nominal sizes of soft/ hard drawn copper refrigerant piping for VRV/VRF system, complete with fittings, with suitable adjustable ring type hanger supports, jointing/ brazing including accessories, insulated with XPLE Class-O tubular insulation/ with Class-O closed cell elastometric nitrile rubber tubular sleeves sections of specified thickness as given below for Suction and Liquidlines,all accessories as per specifications etc. as required. All pipe rates shall include support/laying/hanging material with it's accessories	1.000	Lot
	(Vendor have to fill the rates on Lot basis, after finalising the order they may visit the site and measure the length to submit the pipe rates according to dia.		
4	GAS CHARGING (R410A)		
a	GAS 410 A	45.000	KG
5	REFRIGERANT JOINTS		
a	Y Joints	35.000	Nos
b	T Joints	3.000	Nos

6	MS Material		
	Supply and installation of MS Material for support, stand etc work. Each work should completed with one coat of red oxide paint and two coat of emulsion with proper finishing of welded joints	300.000	KG
7	Power Cable	1.000	Lot
	Supply installation testing and comissioning of power wiring from indoor to outdoor with all necessary hanging arrangement and termination		
	(Vendor have to fill the rates on Lot basis, after finalising the order they may visit the site and measure the length to submit the cable rates according to req.)		
8	Control Cable		
	Supply installation testing and comissioning of power wiring from indoor to outdoor with all necessary hanging arrangement and termination	1.000	Lot
	(Vendor have to fill the rates on Lot basis, after finalising the order they may visit the site and measure the length to submit the cable rates according to req.)		
9	Drain Piping		
a	PVC Drain Pipe 25 MM Dia	100.000	Rmt
b	PVC Drain Pipe 32 MM Dia	150.000	Rmt
10	DX Hi Wall Unit		
	Supply and installation of DX Hi-Wall unit which include all accessories like wire, copper pipe upto 20 feet, expansion valve, control and power wire, remote control etc. Unit shall be inverter type with R-32 Green refrigerant		
a	1.5 TR HI-WALL UNIT (With outdoor)	4.000	Nos